### Hybrid Inverter-Hyper Series-3KW.3.68KW.5KW



# Hybrid-Hyper-UK

**Hyper Series-Low Voltage** LV-Hyper-3-Single LV-Hyper-3.68-Dual LV-Hyper-5-Dual

## Features

- Nature Convection, Ip65
- Compact "all-in-one" system
- Smart Grid, Back-Up, Off/On Grid Intelligent storage management
- Seamless switchover to keep your power on during outage(<8ms UPS level)
- Simplicity of use and operation
- "Plug&Play" Installation
- Local and remote monitoring

## **MORE SUN FOR THE HOME**

STORING SOLAR ENERGY SIMPLY AND COST-EFFECTIVELY

The Hyper series Storage is the right solution for people who want to make their home independent from conventional electric utility companies and rising electricity costs by using intermediate storage for their solar energy. This gives you maximum exibility both now and in the future.



Higher return on investment



- •Freedom from soaring electricity prices and serious savings
- •Harness the continuously improving solar power self-consumption



#### Intelligence and Flexibility

•Intelligent functionality enables self consumption with solar prioritization,

peak shaving and, assisting small generators with heavy loads

•Solar power priority management, increase self-consumption(20%~90%) •Seamless switchover to keep your power on during outage(<8ms UPS level)



#### Easy to service

•Monitor, troubleshoot or upgrade rmware with LiVoltek web clouded platform Global support and training

•Replaceable boards and spare parts







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Vehicle Surface Treatment



## Hybrid Inverter-Low Voltage-Hyper Series

Technical Specifications - UK

Max         Assoc         Assoc         Source         Source           Max         DC Voltage Range IVI         550V         550V         125V~500V         125V	DEVICE SHORT NAME INPUT (DC)	Hyper-3KW	Hyper-3.68KW	Hyper-5KW
Max. Dc. Vallage [V]         1550         550V         550V         550V           Max. Input current [A]         12.0.4         10.0.V.10.0.A         12.5V.~500V         12.5V.~500V           Max. Input current [A]         15.0.A         14.0.4/14.0.A         14.0.4/14.0.A           Max. Short circuit current [A]         1         2         2           Sings per MPP Trackers         2         1         1           Calvanci: bolation for PM Modules         NO         NO         NO           Sings per MPP Trackers         2.0.00W         2.060W         NO           Galvanci: bolation for PM Modules         0.00W         2.060W         NO           Maximum Output Power @PPS         4.5K/N_105; 9K/N, 100ms         5.5K/N, 105; 11K/N, 100ms         5.5K/N, 105; 15K/N, 100ms           Acc Valtage(input & output)         2.004V         2.004V         2.17 rms           Programmable (not by default)         -         2.17 rms           Power Factor         7.17 inductive to 0.7 capacitive         -           Programmable (not by default)         -         -         -           Automatic Switch Time [S]         <8ms (UPS Level)		3300W	4000W	5000W
MPPT Voltage Range IVI         125V-500V         125V-500V           Max. input current IAI         12.0A         10.0A/10.0A         10.0A/10.0A           Max. input current IAI         15.0A         14.0A/14.0A         14.0A/14.0A           NO. of MPP Trackers         1         2         2         2           Sings per MPP Trackers         1         1         3           Galvanic Isolation for IV Modules         NO         NO         NO           Sings per MPP Trackers         3         5680W         5000W           Galvanic Isolation for IV Modules         NO         NO         NO           Sings per MPP Tracker         2004x/500 cof 0612, Single Prase            Maximum Output Power (BPPS         4.5KW, 10s, 91KW, 100ms         5.5XW, 10s, 91KW, 100ms         5.5XW, 10s, 91KW, 100ms           Maximum Output Current         13.0A rms         16.0A rms         2.1 A rms           Power Factor         0.7 inductive to 0.7 capacitive            THO of AC Voitage <ms(ups level)<="" td=""> <ms(ups level)<="" td=""> <ms(ups level)<="" td="">           Automatic Switch Time (S)         <ms(ups level)<="" td=""> <ms(ups level)<="" td=""> <ms(ups level)<="" td="">           Satery Voitage Fange         40-60V         40-60V         40-60V         40-60V</ms(ups></ms(ups></ms(ups></ms(ups></ms(ups></ms(ups>		550V	550V	550V
Max Input Current [A]         12.0A         10.0A/10.0A         10.0A/10.0A           Max Short Current [A]         15.0A         14.0A/14.0A         14.0A/14.0A           N0. of MIP Trackers         1         2         2           Strings per MIP Tracker         2         1         1           Strings per MIP Tracker         2         1         1           Strings per MIP Tracker         2         1         1           Strings per MIP Tracker         2000         NO         NO           Strings per MIP Tracker         3000W         5.5KW, 100; St.WA, 100; St.WA, 100m         6.5KW, 100; St.WA, 100m           Maximum Output Power (PF)         4.5KW, 100 St.St.WA, 100 mm         21.7A rms         6.5KW, 100 St.St.WA, 100 mm           AC Voltage	• • •			
Max. Short circuit current [A]         15 0.0         14 0.4/14.0.0         14.0.4/14.0.0           NO         MPP Trackers         2         2           Strings per MPP Tracker         2         1         1           Galvanic Isolaton for FV Modules         NO         NO         NO           Strings per MPP Tracker         3         5000W         5000W           Galvanic Isolaton for FV Modules         NO         S000W         3680W         5000W           Maximum Output Power GPPS         4.5KVA,10.9, 9KA,100ms         5.5XVA,10.9, 11KVA, 100ms			10.0A/10.0A	10.0A/10.0A
N0.0 fMP Tracker         1         2         2           Stings per MP Tracker         2         1         1           Galvanic Isolaton for PV Modules         NO         NO         NO           Stings per MPS Tracker         3000W         360W         5000W           Galvanic Isolaton for PV Modules         3000W         5.57KVA,105; 11KVA,100ms         6.5KVA,105; 11KVA, 100ms           Maximum Output Power (PF 4         4.5KVA,105; 9KVA,100ms         5.57KVA,105; 11KVA, 100ms         6.5KVA, 105; 15KVA, 100ms           Ac Voltage         -2004%/50 or 60H2; Single Phase         Nominal Output Power (PF 4         7.7 Inductive to 0.7 capacitive           Power Factor         0.7 Inductive to 0.7 capacitive         -         7.8           Power Factor         -7 Grammable (ves by default)         -         -           Automate Switch Time (S) <bms(ups level)<="" td=""> <bms(ups level)<="" td=""> <bms(ups level)<="" td="">           Batery Yope         -FLA, Gel, AGM, Lthium-ion         NOA         48V           Batery Voltage Range         40-60V         40-60V         40-60V           Automate Switch Time (S)         <bms(ups level)<="" td=""> <bms(ups level)<="" td="">           Batery Voltage Range         48V         48V         48V           Batery Voltage Range         40-60V<!--</td--><td></td><td></td><td></td><td></td></bms(ups></bms(ups></bms(ups></bms(ups></bms(ups>				
Strings per MPP Tracker         2         1         1           Galvanic Isolaton for PV Modules         NO         NO         NO           GRID AC (ON-GRID & OFF-GRID)				
Galvanic Isolaton for PV Modules         NO         NO           GRD AC (ON-GRD & OFF-GRD)           Nominal Output Power         3000W         3680W         5000W           Maximum Output Power         3000W         3680W         5000W           Maximum Output Power         200Var,/S0 or 60142, Single Phase         -           Nominal Output Rower         230Var,/S0 or 60142, Single Phase         -           Nominal Output Current         13.04 rms         16.04 rms         21.74 rms           Power Factor         0.7 inductive to 0.7 capacitive         -         -           THD of AC Voltage         -         -         -         -           Evel in tog id         Programmable priorites (PV/Storage/Grid)         -         -           Automat S Witch Time (S)         -         -         -         -           Sattery Voltage Range         48/V         48/V         48/V         -				
SRID AC (OH-GRID & OFF-GRID)           Naminal Output Power         3000W         3680W         552KVA,105; 15KVA, 105; 15KVA, 100ms           Avoltage (Input & Output Power ØEPS         4.5KVA,105; 15KVA, 100ms         552KVA,105; 15KVA, 100ms           Avoltage (Input & Output Current)         13.0A rms         16.0A rms         21.7A rms           Power Factor         0.7. Inductive to 0.7. Capacitive				-
Nominal Output Power         3000         3680W         5000W           Maximum Output Power (@EPS         4.5KVA,100ms         5.5ZVA,1021 IXIA, 100ms         6.5KVA, 105; 15KVA, 100ms           AC Voltage(input & output)         230Vac/50 or 60HZ, Single Phase         21.7A rms           Power Factor         -0.7 Inductive to 0.7 capacitive				
Maximum Output Power @EPS         4.5KVA, 103; 19KVA, 100ms         5.5XVA, 103; 11KVA, 100ms         6.5KVA, 103; 15KVA, 100ms           AC Voltage(input & output)         200vac/50 or 60HZ, Single Phase         21.7A rms           Power Factor         0.7 inductive to 0.7 capacitive         1           Power Factor         0.7 inductive to 0.7 capacitive Load         1           Feed in to grid         Programmable (ves by default)         Energy Consumpton         Programmable (ves by default)           Energy Consumpton         Programmable (ves by default)         Energy Consumpton         Rms(UPS Level) <rms(ups level)<="" td="">           SATTERYSIDE         Energy Consumpton         Programmable (ves by default)         Energy Consumpton         ABW           Naminal Batery Voltage Range         48V         48V         48V         Gams(UPS Level)         Cams(UPS Level)           Satery Voltage Range         40-60V         40-60V         40-60V         Galvanic Isolaton for Basery         Yes         Yes         Yes         Yes         Yes         Satery Voltage Current         60A         100A         100A         Max. Charge Current         60A         100A         100A         Max. Charge Current         60A         100A         Yes         Yes         Yes         Yes         Yes         Yes         Yes</rms(ups>				
AC Voltage(input & output)         230Var/S0 or 60H2, Single Phase           Nominal Output Current         13.0A rms         16.0A rms         21.7A rms           Nominal Output Current         0.7. Inductive to 0.7. capacitive         -           THO of AC Voltage         -3% with Resistive Load         -           Feed in to grid         Programmable (per by default)         -           Energy Consumpton         Programmable (per by default)         -           BATTERYSIDE         ELA, Gel, AGM, Lithium-ion         -           Batery Voltage         48V         48V         48V           Batery Voltage Rape         40° 60V         40° 60V         40° 60V           Galvanic Isolaton for Baaery         Yes         Yes         Yes           Max. Discharge Current         60A         100A         100A           Charge Current         60A         100A         100A           BMS Communicaton Interface         CAN2.0 /FS48'S         CAN2.0 /FS48'S           Protecton         Over Voltage, Less Voltage, Over Current, Short Circuit, Over t				
Nominal Output Current         13.0A rms         16.0A rms         21.7A rms           Power Factor         0.7 inductive to 0.7 capacitive         0.7           Power Factor         0.7 inductive to 0.7 capacitive         0.7           THO of AC Voltage         3% with Resistive Load         1           Feed in to grid         Programmable prioritor (VStorage-Grid)         1           Automatc Switch Time [S]         <8ms(UPS Level)				6.5KVA, 10S; 15KVA, 100ms
Power Factor         0.7 inductve to 0.7 capacive           THO AC Voltage         <3% with Resistve Load				
TH0 AC Voltage             Feed in to grid         Programmable priorites (V×) Storage/Grid)           Automate Switch Time [S]         <8ms(UPS Level)				21.7A rms
Feed in to grid         Programmable (yes by default)           Energy Consumpton         Programmable priorites (PV/Storage/Grid)           Automats Switch Time [S]         <8ms(UPS Level)	Power Factor		0.7 inductve to 0.7 capaciive	
Energy Consumpton         Programmable priorites (PV/Storage/Grid)           Automat: Switch Time [S]         <8ms(UPS Level)	THD of AC Voltage			
Automatc Switch Time [S]         <8ms(UPS Level)	Feed in to grid			
BATTERYSIDE Batery Type FLA, Gel, AGM, Lithium-ion Nominal Batery Voltage 48V 48V 48V Batery Voltage Ange 40-60V 40-60V 40-60V Batery Voltage Ange 40-60V 40-60V 40-60V Batery Voltage Carent 60A 100A 100A Max. Discharge Current 60A 100A 100A Max. Discharge Current 60A 100A 100A Charge Current 60A 100A 100A Charge Current 60A 100A 100A Charge Current 60A 100A 100A Depth of Discharge Current 60A 100A 100A EFFICIENCY MPT Efficiency 99.9% 99.9% 99.9% 99.9% EFFICIENCY MPT Efficiency 99.9% 97% 97% Max. Efficiency 97% 97% 97% Batery Charge/Discharge Efficiency 95% 95% Standby Power Losses <0.5W <0.5W <0.5W <0.5W Topology High Frequency Isolated Transformer EFFICIENC EFFICIENC CONSTRUCTION 480°520°173mm 480°520°173mm 480°520°173mm Net Weight(KG) 28KG 28KG 28KG 35KG Protecton Degree IP55 IP55 Mounting Informaaon Wall Mounted Wall Mounted Wall Mounted Operator Temperature -20°C°+60°C(45°C derang) - Notse Errison (1p6) <0.5% <0.00M <2000M Colonal Construction Con	Energy Consumpton	Progr	ammable priorites (PV/Storage/	(Grid)
Batery Type         FLA, Gel, AGM, Lithium-ion           Nominal Batery Voltage         48V         48V         48V           Batery Voltage Range         40~60V         40~60V         40~60V           Galvanic Isolaton for Basery         Yes         Yes         Yes           Max. Charge Current         60A         100A         100A           Max. Discharge Current         60A         100A         100A           Charge Current         60A         100A         100A           Charge Current         60A         100A         100A           Max. Discharge Current         60A         100A         100A           Charge Current         60A         100A         100A           Depth of Discharge         CAN2. 0/RS485         CAN2. 0/RS485         CAN2. 0/RS485           Protecton         Over Voltage, Less Voltage, Over Cavats S         CAN2. 0/RS485         CAN2. 0/RS485           Betry Efficiency         99.9%         99.9%         99.9%         Set ad-acid: 0~50% DOD adjustable           EFFICIENCY         Efficiency         97.8%         97.8%         97.8%         Standby Power Losses         <0.5W	Automatc Switch Time [S]	<8ms(UPS Level)	<8ms(UPS Level)	<8ms(UPS Level)
Nominal Batery Voltage         48V         48V         48V           Batery Voltage Range         40-60V         40-60V         40-60V           Batery Voltage Range         40-60V         40-60V         40-60V           Galvanic Isolaton for Basery         Yes         Yes         Yes           Max. Charge Current         60A         100A         100A           Dept of Discharge Current         CAN2. 0/R5485         CAN2. 0/R5485         CAN2. 0/R5485           Protecton         Over Voltage, Less Voltage, Over Current, Short Circuit, Over tem.         Dept of Discharge         CAN2. 0/R5485           EFFICIENCY          Stadd-adde: 0: '50' DOD adjustable         Efficiency         99.9%         97%           Batery Charge/Discharge Efficiency         97.%         97%         97%         97%           Standby Power Losses         <0.5W	BATTERYSIDE			
Batery Voltage Range         40–60V         40–60V         40–60V           Galvanic Isolaton for Baaery         Yes         Yes         Yes           Max. Charge Current         60A         100A         100A           Charge Curve         3-stage adaptw with maintenance         3-stage adaptw with maintenance           BMS Communicaton Interface         CAN2. 0/RS485         CAN2. 0/RS485         CAN2. 0/RS485           Protecton         Over Voltage, Less Voltage, Over Current, Short Circuit, Over term.         Depth of Discharge         Lithium-ion: 0~100% DOD adjustable           EFFICIENCY         Efficiency         99.9%         99.9%         99.9%           Euro Efficiency         97.8%         97.8%         97.8%         97.8%           Batery Charge/Discharge Efficiency         95.%         95.%         95.%           Standby Power Losses         <0.5W	Batery Type		FLA, Gel, AGM, Lithium-ion	
Galvanic Isolaton for Baaery         Yes         Yes         Yes         Yes           Max. Charge Current         60A         100A         100A           Max. Discharge Current         60A         100A         100A           Charge Curve	Nominal Batery Voltage	48V	48V	48V
Max. Charge Current         60A         100A         100A           Max. Discharge Current         60A         100A         100A           Charge Current         3-stage adapte with maintenance           BMS Communicaton Interface         CAN2. 0/RS485         CAN2. 0/RS485         CAN2. 0/RS485           Protecton         Over Voltage, Less Voltage, Over Current, Short Circuit, Over tern.         Depth of Discharge         Lithium-ion: 0~100% DOD adjustable           EFFICIENCY         Ead-acid: 0~50% DOD adjustable         Lead-acid: 0~50% DOD adjustable         Efficiency           PMPPT Efficiency         99.9%         99.9%         99.9%         Standby Power Losses         97.8%         97.8%         97.8%         97.8%         95.8%         Standby Power Losses         <0.5W	Batery Voltage Range	40-60V	40-60V	40-60V
Max. Disc Charge Curve             60A             100A             100A           Charge Curve         3-stage adaptve with maitenarce         Image: Corve Mithenarce         Image: Corve         Image: Corve         Image	Galvanic Isolaton for Baaery	Yes	Yes	Yes
Charge Curve3-stage adaptve with maintenanceBMS Communicaton InterfaceCAN2. 0/RS485CAN2. 0/RS485CAN2. 0/RS485ProtectonOver Voltage, LessVor Current, Short Circuit, Over tem.Depth of DischargeLithium-ion: 0*100% DOD adjustable Lead-acid: 0*50% DOD adjustableEFFICIENCYMPPT Efficiency99.9%99.9%Burs Efficiency97%97%Max. Efficiency97.8%97.8%Batery Charge/Discharge Efficiency95%95%Standby Power Losses<0.5W	Max. Charge Current	60A	100A	100A
BMS Communicaton InterfaceCAN2. 0/RS485CAN2. 0/RS485CAN2. 0/RS485ProtectonOver Voltage, Less Voltage, Over Current, Short Circuit, Over tem.Dept of DischargeLithium-ion: 0°100% DOD adjustable Lead-acid: 0°50% DOD adjustableEFFICIENCYP9.9%99.9%MPPT Efficiency99.9%99.9%Euro Efficiency97%97%Max. Efficiency97%97%Batery Charge/Discharge Efficiency95%95%Standby Power Losses<0.5W	Max. Discharge Current	60A	100A	100A
BMS Communicaton InterfaceCAN2. 0/RS485CAN2. 0/RS485CAN2. 0/RS485ProtectonOver Voltage, Less Voltage, Over Current, Short Circuit, Over tem.Dept of DischargeLithium-ion: 0°100% DOD adjustable Lead-acid: 0°50% DOD adjustableEFFICIENCYP9.9%99.9%MPPT Efficiency99.9%99.9%Euro Efficiency97%97%Max. Efficiency97%97%Batery Charge/Discharge Efficiency95%95%Standby Power Losses<0.5W	_	3-stage adaptve with maintenance		
Depth of Discharge         Lithium-ion: 0°100% DOD adjust-lie           EFFICIENCY         Lead-acid: 0°50% DOD adjust-lie           MPPT Efficiency         99.9%         99.9%           Luro Efficiency         97%         97%           Max. Efficiency         97%         97%           Max. Efficiency         97%         97%           Max. Efficiency         97%         97%           Standby Power Losses         <0.5W	BMS Communicaton Interface			
Depth of Discharge         Lithium-ion: 0°100% DOD adjust-lie           EFFICIENCY         Lead-acid: 0°50% DOD adjust-lie           MPPT Efficiency         99.9%         99.9%           Luro Efficiency         97%         97%           Max. Efficiency         97%         97%           Max. Efficiency         97%         97%           Max. Efficiency         97%         97%           Standby Power Losses         <0.5W	Protecton	Over Voltage, Less Volt	tage, Over Current, Short Circui	t, Over tem.
MPPT Efficiency         99.9%         99.9%         99.9%           Euro Efficiency         97%         97%         97%           Max. Efficiency         97.8%         97.8%         97.8%           Batery Charge/Discharge Efficiency         95%         95%         95%           Standby Power Losses         <0.5W	Depth of Discharge	Lithium-ion: 0~100% DOD adjustable		
Euro Efficiency         97%         97%         97%           Max. Efficiency         97.8%         97.8%         97.8%           Batery Charge/Discharge Efficiency         95%         95%         95%           Standby Power Losses         <0.5W	EFFICIENCY			
Max. Efficiency97.8%97.8%97.8%Batery Charge/Discharge Efficiency95%95%95%Standby Power Losses<0.5W	MPPT Efficiency	99.9%	99.9%	99.9%
Max. Efficiency97.8%97.8%97.8%Batery Charge/Discharge Efficiency95%95%95%Standby Power Losses<0.5W	Euro Efficiency	97%	97%	97%
Batery Charge/Discharge Efficiency95%95%95%Standby Power Losses<0.5W		97.8%	97.8%	97.8%
Standby Power Losses<0.5W<0.5W<0.5WTopologyHigh Frequency Isolated TransformerGENERAL DATADC SwitchOptonalOptonalOptonalDimensions(L*W*H)(mm)480*520*173mm480*520*173mm480*520*173mmNet Weight(KG)28KG28KG35KGProtecton DegreeIP65IP65IP65Mountng InformaaonWall MountedWall MountedWall MountedOperaton Temperature-20°C~+60°C (45°C deratng)-Noise Emission (typical) [dB]<40dB				
TopologyHigh Frequency Isolated TransformerGENERAL DATADC SwitchOptonalOptonalOptonalDimensions(L*W*H)(mm)480*520*173mm480*520*173mm480*520*173mmNet Weight(KG)28KG28KG35KGProtecton DegreeIP65IP65IP65Mountng InformaaonWall MountedWall MountedWall MountedOperaton Temperature-20°C~+60°C(45°C deratng)-Noise Emission (typical) [dB]<40dB				
DC SwitchOptonalOptonalOptonalDimensions(L*W*H)(mm)480*520*173mm480*520*173mm480*520*173mmNet Weight(KG)28KG28KG35KGProtecton DegreeIP65IP65IP65Mountg InformaaonWall MountedWall MountedWall MountedOperaton Temperature-20°C~+60°C(45°C deratng)-Noise Emission (typical) [dB]<40dB		High Frequency Isolated Transformer		
DC SwitchOptonalOptonalOptonalDimensions(L*W*H)(mm)480*520*173mm480*520*173mm480*520*173mmNet Weight(KG)28KG28KG35KGProtecton DegreeIP65IP65IP65Mountg InformaaonWall MountedWall MountedWall MountedOperaton Temperature-20°C~+60°C(45°C deratng)-Noise Emission (typical) [dB]<40dB	GENERAL DATA			
Dimensions(L*W*H)(mm)480*520*173mm480*520*173mm480*520*173mmNet Weight(KG)28KG28KG35KGProtecton DegreeIP65IP65IP65Mountng InformaaonWall MountedWall MountedWall MountedOperaton Temperature-20°C~+60°C(45°C deratng)-Noise Emission (typical) [dB]<40dB		Optonal	Optonal	Optonal
Net Weight (KG)28KG28KG35KGProtecton DegreeIP65IP65IP65Mountng InformaaonWall MountedWall MountedWall MountedOperaton Temperature-20°C~+60°C (45°C deratng)-Noise Emission (typical) [dB]<40dB				
Protecton DegreeIP65IP65Mountng InformaaonWall MountedWall MountedWall MountedOperaton Temperature-20°C~+60°C (45°C deratng)-Noise Emission (typical) [dB]<40dB				
Mountng InformaaonWall MountedWall MountedWall MountedOperaton Temperature-20 °C ~+60 °C (45 °C deratng)-Noise Emission (typical) [dB]<40dB				
Operation Temperature-20°C~+60°C (45°C derating)-Noise Emission (typical) [dB]<40dB	0			
Noise Emission (typical) [dB]<40dB<40dB<40dBHumidity [%]095%, no codensatonSite Alttude<2000m	-	Wall Woulded		Wait Woulded
Humidity [%]095%, no codensatonSite Alttude<2000m		<10dB		- - 10dB
Site Alttude<2000m<2000m<2000mCooling ConceptNature ConvectonNature ConvectonNature ConvectonEMC StandardIEC61000-6-1/2/3IEC61000-6-1/2/3IEC61000-6-1/2/3CertficaconVDE 4105 / AS/NZS4777.2 / C10 11 / EN50438-NL / EN50438-DK / OVE/ ONORME 8001/ G83,G59 / CEI 0-21OVE/ ONORME 8001/ G83,G59 / CEI 0-21			N4UUD	\4∪UD
Cooling ConceptNature ConvectonNature ConvectonNature ConvectonEMC StandardIEC61000-6-1/2/3CertficaconVDE 4105 / AS/NZS4777.2 / C10 11 / EN50438-NL / EN50438-DK / OVE/ ONORME 8001/ G83,G59 / CEI 0-21			<2000m	<2000m
EMC Standard         IEC61000-6-1/2/3           Certficacon         VDE 4105 / AS/NZS4777.2 / C10 11 / EN50438-NL / EN50438-DK / OVE/ ONORME 8001/ G83,G59 / CEI 0-21				
Certficacon         VDE 4105 / AS/NZS4777.2 / C10 11 / EN50438-NL / EN50438-DK /           OVE/ ONORME 8001/ G83,G59 / CEI 0-21			Nature Convecton	Nature Convecton
OVE/ ONORME 8001/ G83,G59 / CEI 0-21				
	Certficacon			8-DК /
	WARRANTY			ory)