



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 flexibility both now and in the future.

-  Higher return on investment
 - Cost effective
 - 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 firmware with LiVoltek web clouded platform
 - Global support and training
 - Replaceable boards and spare parts



Vehicle Surface Treatment



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Hybrid Inverter-Low Voltage-Hyper Series

Technical Specifications - UK

DEVICE SHORT NAME INPUT (DC)	Hyper-3KW	Hyper-3.68KW	Hyper-5KW
Max. recommended DC Power [W]	3300W	4000W	5000W
Max. DC Voltage [V]	550V	550V	550V
MPPT Voltage Range [V]	125V~500V	125V~500V	125V~500V
Max. input current [A]	12.0A	10.0A/10.0A	10.0A/10.0A
Max. short circuit current [A]	15.0A	14.0A/14.0A	14.0A/14.0A
NO. of MPP Trackers	1	2	2
Strings per MPP Tracker	2	1	1
Galvanic Isolaton for PV Modules	NO	NO	NO

GRID AC (ON-GRID & OFF-GRID)

Nominal Output Power	3000W	3680W	5000W
Maximum Output Power @EPS	4.5KVA,10s; 9KVA, 100ms	5.52KVA,10s; 11KVA, 100ms	6.5KVA, 10S; 15KVA, 100ms
AC Voltage(input & output)	230Vac/50 or 60HZ, Single Phase		
Nominal Output Current	13.0A rms	16.0A rms	21.7A rms
Power Factor	0.7 inductive to 0.7 capaciive		
THD of AC Voltage	<3% with Resistve Load		
Feed in to grid	Programmable (yes by default)		
Energy Consumpton	Programmable priorities (PV/Storage/Grid)		
Automatc Switch Time [S]	<8ms(UPS Level)	<8ms(UPS Level)	<8ms(UPS Level)

BATTERYSIDE

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 Baaery	Yes	Yes	Yes
Max. Charge Current	60A	100A	100A
Max. Discharge Current	60A	100A	100A
Charge Curve	3-stage adaptve with maintenance		
BMS Communicaton Interface	CAN2. 0/RS485	CAN2. 0/RS485	CAN2. 0/RS485
Protecton	Over Voltage, Less Voltage, Over Current, Short Circuit, Over tem.		
Depth of Discharge	Lithium-ion: 0~100% DOD adjustable Lead-acid: 0~50% DOD adjustable		

EFFICIENCY

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	<0.5W	<0.5W
Topology	High Frequency Isolated Transformer		

GENERAL DATA

DC Switch	Optonal	Optonal	Optonal
Dimensions(L*W*H)(mm)	480*520*173mm	480*520*173mm	480*520*173mm
Net Weight(KG)	28KG	28KG	35KG
Protecton Degree	IP65	IP65	IP65
Mountng Informaaon	Wall Mounted	Wall Mounted	Wall Mounted
Operaton Temperature	-20 °C~+60 °C(45 °C deratng)		-
Noise Emission (typical) [dB]	<40dB	<40dB	<40dB
Humidity [%]	0...95%, no codensaton		
Site Altitude	<2000m	<2000m	<2000m
Cooling Concept	Nature Convecton	Nature Convecton	Nature Convecton
EMC Standard	IEC61000-6-1/2/3		
Certifcacon	VDE 4105 / AS/NZS4777.2 / C10 11 / EN50438-NL / EN50438-DK / OVE/ ONORME 8001/ G83,G59 / CEI 0-21		
WARRANTY	5-10 years standard warranty (depend on territory)		