

ALL-IN-ONE

THREE PHASE HYBRID INVERTER+BATTERY

SET4K10H / SET5K10H / SET6K15H



Easy Installation

Flexible configuration, plug and play set-up, built-in fuse protection.



High Voltage

Includes high-voltage batteries for maximum round-trip efficiency.



IP65 Rated

Engineered to last with maximum flexibility. Suitable for outdoor installation.



Remote Monitoring

Monitor your system remotely via smartphone app or web portal.

SYSTEM MODEL		SET4K10H	SET5K10H	SET6K15H
PV INPUT				
Max. PV Input Power	8kw	10kW	12kW	
Max. PV Input Voltage	1100V			
MPPT Range	140~950V			
Max. Input Current	16A / 16A / 16A			
Max. Short Circuit Current	24A / 24A/ 24A			
MPP Trackers	3			
Strings Per MPP Trackers	1 / 1 / 1			
AC PORT				
Rated Grid Output Power	4kVA	5kVA	6kVA	
Max. Grid Input Power	8kVA	10kVA	12kVA	
Rated Grid / Backup Voltage	220/380Vac, 230/400Vac, 3/N/PE			
Rated Grid / Backup Frequency	50 / 60Hz			
Surge Backup Power	8kVA / 8kW	10kVA / 10kW	12kVA / 12kW	
Rated Backup Power	4kVA	5kVA	6kVA	
THDi	<3%			
THDv	<3% (Linear Load) / <5%(Non-linear Load)			
DCV	<100mV			
Crest Ratio	3:1			
Transfer Time	<10ms			
EFFICIENCY				
Max. Efficiency	98%	98%	98.2%	
Max. Round Trip Efficiency	96%			
GENERAL DATA				
Operating Temperature Range	-20~60 C			
Topology	Transformerless			
Dimensions (W*H*D)	590 × 416 × 205mm			
Weight	25kg			
Load Monitoring	Meter / CT / Backup box			
External Communication	RS-485 / WFI / 4G / Ethernet			
Grid Regulation	VDE-AR-N 4105:2018, G98, G99, C10/11:2021, NTS 631, RD647:2020			
	UNE 217002:2020, CEI 0-21, VDE 0126-1-1, NRS 097-2-1, AS/NZS 4777.2:2020, EN 50549-1			
Safety Regulation	IEC/EN 62109-1&2, IEC/EN 62477-1:2012			
BATTERY MODEL		SS-BAT-4.8S	SS-BAT-9.6P	
Battery Type	LFP			
Battery Capacity	4.8kWh		9.6kWh	
Usable Capacity	4.6kWh		9.1kWh	
Depth of Discharge (DoD)	95%			
Nominal Battery Voltage	96V			
Operating Voltage Range	90~108V			
Max. Charging Current	50A			
Max. Discharging Current	50A			
Operating Temperature Range	Charge:0<T<50 C / Discharge:-10<T<50 C			
Cycle Lifetime	8000			
Series/Parallel	1~6 in Series		1~6 in Parallel	
Dimensions (W*H*D)	590x430x205 mm		590x730x205 mm	
Weight	39.2kg		86kg	
Communication	CAN / RS-485 (Optional)			
Safety Regulation	IEC 62619:2017, IEC 62040:2017			
Transportation	UN38.3			
SYSTEM				
Operating Altitude	≤3000m (>3000m Derating)			
Relative Humidity	0~95% (No Condensing)			
Protection Degree	IP65			
Cooling	Natural Convection			
Noise	<30dB			
Warranty	5 years / 10 years			
EMC	IEC/EN 61000-6-1, IEC/EN 61000-6-2, IEC/EN 61000-6-3, IEC/EN 61000-6-4			

* Note: Specifications are subject to change without advance notice.

