



ALL IN ONE

Parameters

OP-3PH-10KW-20KWh

3-phase energy storage inverter all-in-one machine

Inverter parameters		AC Output Data	
Nominal Output Power to Grid		10KVA	
Nominal Grid Voltage		380V/400V, 3W+N+PE	
Nominal Grid Frequency		50Hz/60Hz	
Nominal Output Current to Grid		14.4A	
Regulation		EN 50549-1; VDE-AR-N 4105; IEC/EN62109-1; EN 61000-6	
AC Output Data (Back Up)			
Nominal Output Power		10KVA	
Max. Apparent Power		11KVA	
Nominal Output Voltage		400V,3W+N+PE	
Nominal Output Frequency		50Hz/60Hz	
Max.Efficiency		97.5%	
Nominal Output Current		14.4A	
THDu		<2%	
DC input parameters			
Battery Working Voltage Range		150~550V	
Max.Charging/Discharging Power		11kw	
Rated.Charging/Discharging Current		40A	
PV input parameters			
Max.PV Input Power		15kw	
MPPT Voltage Range		180~850V	
Full Power MPPT Voltage Range		430V~850V	
Max.Input Current per MPPT		13A*2	
MPPT Efficiency		99%	
Inverter weight		60kg	
Battery parameters			
Battery Type		Lithium iron phosphate (LFP)	
Rated energy (kwh)		20.48kwh	
cell configurations		128S1P	
Rated capacity (Ah)		50Ah	
Rated voltage (V)		409.6V	
voltage range (V)		371.2V~460.8V	
Rated charging current (A)		50A@25°C 1.0C	
Rated discharge current (A)		50A@25°C 1.0C	
Module parameters		102.4V50Ah (32S1P) /5.12kwh	
Module weight		55kg	
Charge Temperature (°C)		0°C~55°C	
Discharge temperature (°C)		-20°C~60°C	
Storage Temperature (°C)		0°C~50°C ;	
Storage Humidity		≤ 98%	
Standard Cycle		6000 Cycle	
Regulation		CE/IEC61000-2	
System parameter			
weight		310kg /Overall weight	
size		680mm*290mm*1850mm/(W*T*H)	
Ingress Protection		IP65	