



5.12kWH 14.4kWH



More energy available

90% discharge
Optimising energy at module level



Flexible investment

Modular design
Up to 33pcs in parallel



Safe & Secure

Lithium Iron Phosphate battery(LFP)
Low voltage safety connection



Easy installation

Simple and easy operation



WIFI+APP

"Power generation data
monitoring platform and APP



Perfectly applicable

Applicable to single-phase and
three-phase residential inverters

Compatible inverter brands:

-DEYE/Luxpower/Growatt/Megarevo/Goodwe/MUST/SRNE/EPEVER/Afore

-SMA/Studer/ Solax/Solis/Sofar/Schneider/Sorotec/SMK/Victron/Voltronic/INHENERGY

	PT-ESS-W5120	PT-ESS-W14400
BATTERY MODULE SPECIFICATION		
Battery/Cell Type	LFP	
Nominal Voltage (Vdc)	51.2V	51.2V
Nominal Capacity (Ah)	100Ah	280Ah
Total Energy (Wh)	5120	14400
Max. Charge and Discharge Current (A)	100	160/200
Recommend Charge and Discharge Current (A)	50	100
Recommend DOD	90%	
Operating Voltage Range (Vdc)	43.2-57.6	
Discharge Cut-off Voltage (V)	40	
Parallel	Up to 33 connected in parallel	
Calendar Life	20 years @25°C, 15 years @35°C, 10 years @45°C	
Cycle Life	≥6000 cycles at 90% DOD	
Warranty	5 years (designed lifetime 15 years)	
COMMUNICATION		
Display	SOC status indicator	
Communication	CAN(IN&OUT) between modules in Parallel, CAN bus/RS485 to inverter,USB to PC Monitoring	
WIFI Function	Wifi for APP and Platform Monitoring	
STANDARD COMPLIANCE		
Safety (Cell level)	UL1642 / IEC62619 / CE / ROHS / MSDS /UN38.3	
Safety (Module level)	IEC62619 / CE / ROHS / MSDS /UN38.3	
MECHANICAL SPECIFICATIONS		
Dimensions (W x H x D) (mm)	485*630*155	495*830*250
Weight (kgs)	50	120
Mounting	Wall mounted	Floor Standing
Operating Temperature ⁽⁴⁾ Charge/Discharge (°C)	-20 to +55	
Storage Temperature (6 months between recharge) (°C)	-20 to +35	
Cooling Method	Natural convection	
Noise (at 1m distance) (dBA)	<25	

Hybrid Solar System

