

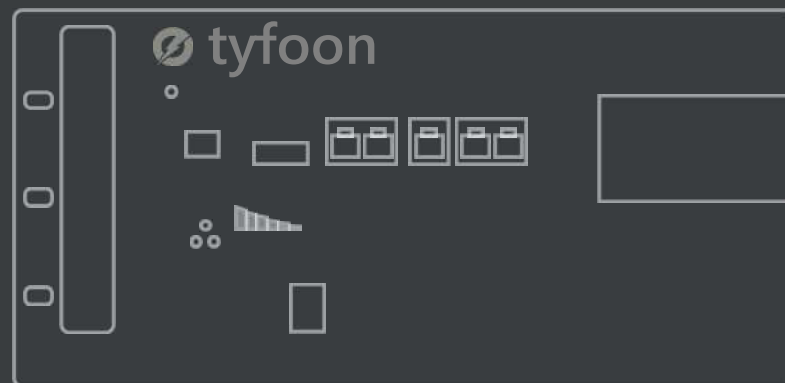
Powerstorm Technology Private Limited

Powering Tomorrow : Innovating Energy Solutions Today

 **tyfoon**

PST - 2.56 kwh

Energy Storage Systems (ESS)



Powerstorm Technology Private Limited

1st Floor, Krishna Complex, C-101-B
Almighty Gate, Road B, Metoda GIDC , Rajkot - 3600021

Our Energy Storage Systems are designed to cater to a broad spectrum of applications, from residential to industrial settings, ensuring reliable and efficient energy storage solutions. We offer a variety of ESS battery packs, each engineered to deliver exceptional performance, safety, and longevity.



Each of these models is equipped with our advanced Battery Management System (BMS), ensuring real-time monitoring and management of battery performance. This includes voltage, current, and temperature of each cell, alongside passive balance functions and advanced battery control strategies to optimize the life and efficiency of the pack.



6000+
charge
discharge cycle

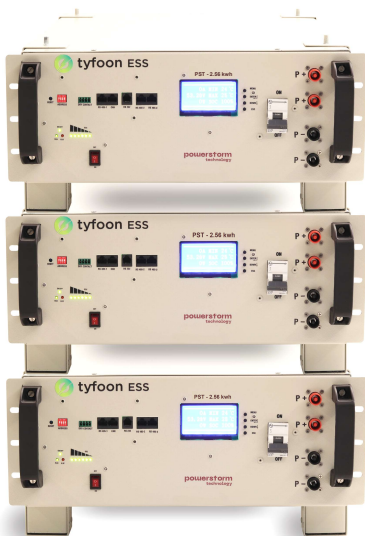
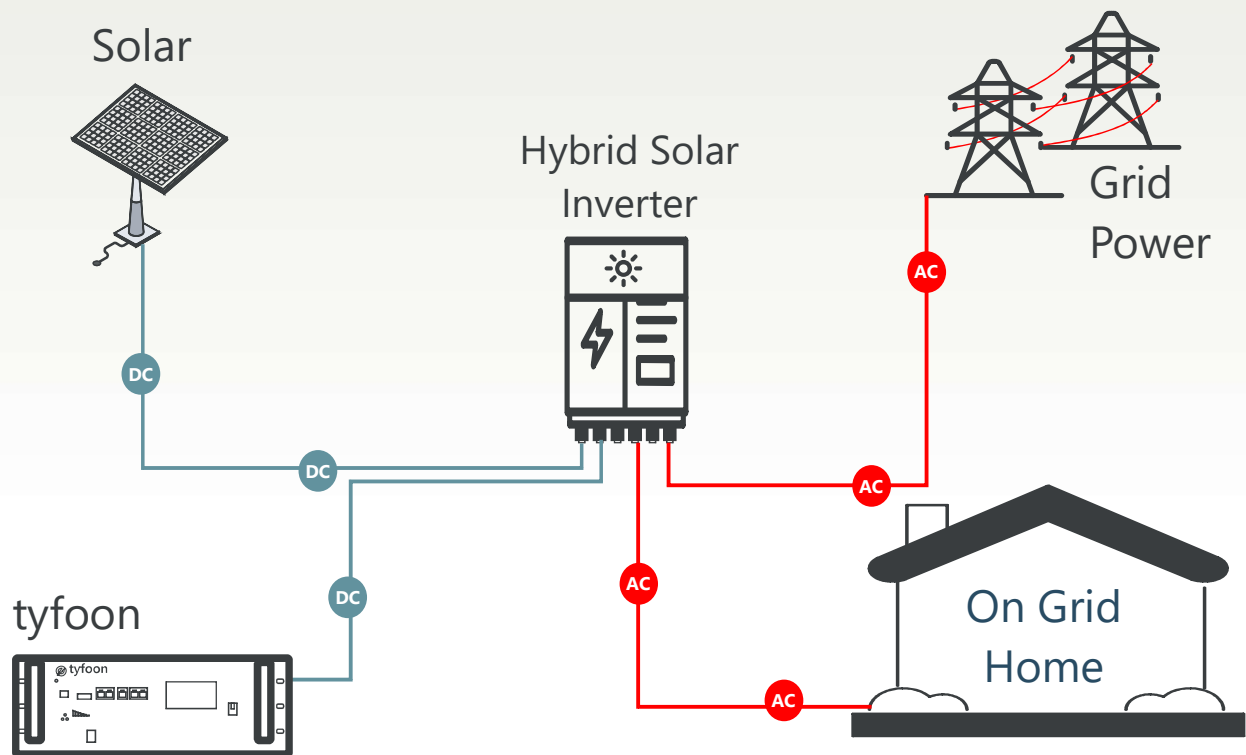
3
Year's
Warranty

Bluetooth
Mobile Monitoring

LED Screen
and Indicators

0A MIN 25 °C
53.19V MAX 26 °C
0A SOC 100%

IP 20
IP 20 Rating



The Modules can be connected in parallel to meet the expansion needs. maximum inter battery communications support 8 modules.



PST-2.56 Kwh Rack-Mounted lithium battery products are suitable for low-voltage small and medium-sized energy storage system applications.

Stackable Design

Rack Mounted

TECHNICAL DATA

Model	PST-2.56 Kwh
Battery Chemistry	LiFePO4
Capacity (Ah)	100
Scalability	8 packs parallel
Nominal Voltage (V)	25.6V
Operating Voltage (V)	21.60V ~ 28.80V
Energy (Kwh)	2.56
Usable Energy (Kwh)	2.30
Charge Current (A)	
0.5C Rate Charging	50
Max 1C Rate Charging	100
Discharge Current (A)	
1C Rate Discharge	100
Peak Discharge Current (A)	150 A
Depth of Discharge (DOD)	90%
Dimensions W/D/H, mm	481 X 380 X 178
Weight (Kg)	33
LED Indicator	BMS status and SOC status
Display	Battery Pack informations
Blue Tooth Interface for Mobile	Via Blue tooth Mobile monitoring
RS 232 Interface for PC	PC interface and monitoring
RS 485/CAN 2.0 B Interface for Inverters	Inverter Interface
RS485-1 and 2 for Battery Parallel	Battery Parallel Interface
IP Ratings	IP20
Operating Temperature	0 ~ 55 Deg C
Storage Temperature	0 ~ 35 Deg C
Humidity	5 ~ 95%
Altitude	<2000 m
Cycle Life	>6000(25DegC, 0.5C Chg and DisChg, 70% EOL)
Installation	19-inch standard cabinet, cabinet depth >380mm/ Rack
Communication port	CAN, RS 485-1
Warranty Period***	Manufacturing warranty of Battery pack is one year and Product warranty of Cells are 6000 cycles life or 10 years which ever comes first due for warranty.
Energy Throughput	8MWh@70% EOL
Certification(under progress)	(UN38.3, UL1973, IEC 62619, CE, CEI 0-21)**

Note : 1. Certification Under process.

2. Manufacturing warranty of Battery pack is one year and Product warranty of Cells are 6000 cycles life or 10 years which ever comes first, due for warranty.