Rack Specification

Voltage Range(V)	432~568
Cell	3.2V40Ah
Series & Parallels	160S3P
Nominal Voltage(V)	512
Nominal Capacity (Ah)	120
Nominal Energy(kWh)	61.44
Recommended Charging Current (A)	≤120
Discharge cut-off Voltage(V)	432
Charge Voltage(V)	568
Compatible Device	Compatible with mainstream 2-wire and 3-wire UPS
Total Weight(kg)	Approx. 850
System Dimension(W* D* H)	600×1000×2000 mm
Charge Temperature	0 ~ 45 ℃
Discharge Temperature	-20 ~ 45℃
Operating Humidity	5%~95%RH
Thermal Management	Natural cooling
System Parallels	maximum of 16 sets in parallel is supported
Dry Contact	6 outputs, 6 input
Communication	RS485/TCP/CAN
Design life	15 years
Certification	UL1973;IEC62619; UN38.3; UL9540A

Summary

SHOTO offers safe lithium iron phosphate battery solutions for UPS and energy storage systems. The battery system is designed for UPS and energy storage features perfect compatibility and a safe, long cycle life.

Module Preview



Module :SHVP051120M01

Performance Data

Time(min)	10	15	30
Constant Power(kW)	272	243	121
Constant Current(A)	630	563	282

Characteristics and value

- Voltage and temperature sampling accuracy: high-precision battery voltage and temperature acquisition: ± 3 mv, ± 1℃;
- There is a fire extinguishing device inside the module, using perfluorohexane fire extinguishing agent, which is safer and more environmentally friendly;
- High precision insulation state detection to prevent insulation failure and ensure system reliability;
- Battery module balancing: Passive balancing can provide a maximum balancing current of 100mA, enabling power transfer between adjacent batteries;

V2.4

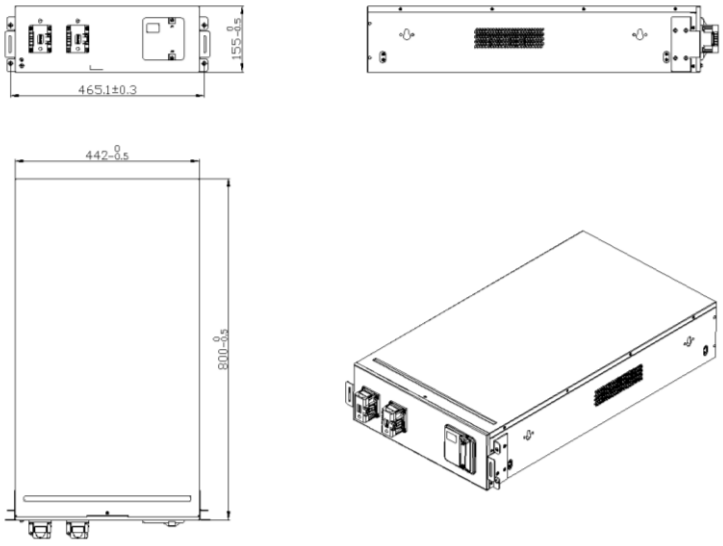
Statement: This information is only a brief description of the product's performance and is not meant to be a guarantee for any particular battery. Battery parameters can be modified without notice, please keep in touch with shoto in order to get the latest information.

Rack



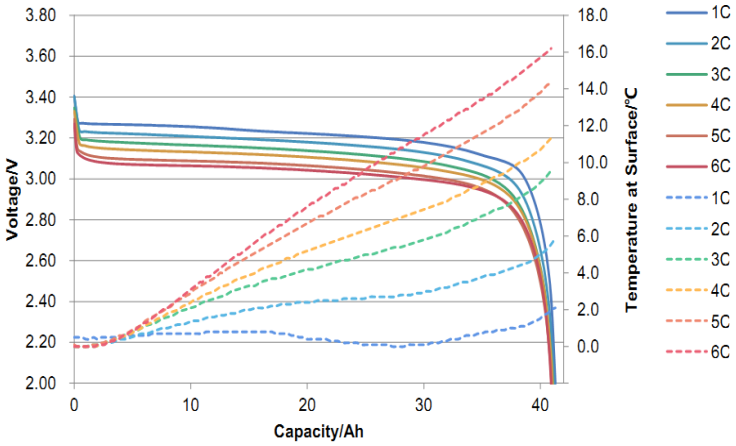
SHVP512120A01- with BAU&HMI
SHVP512120C01 - without BAU&HMI

Module size

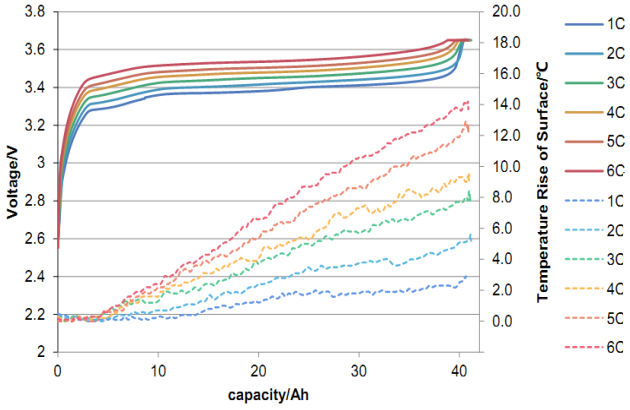


Characteristics Curve

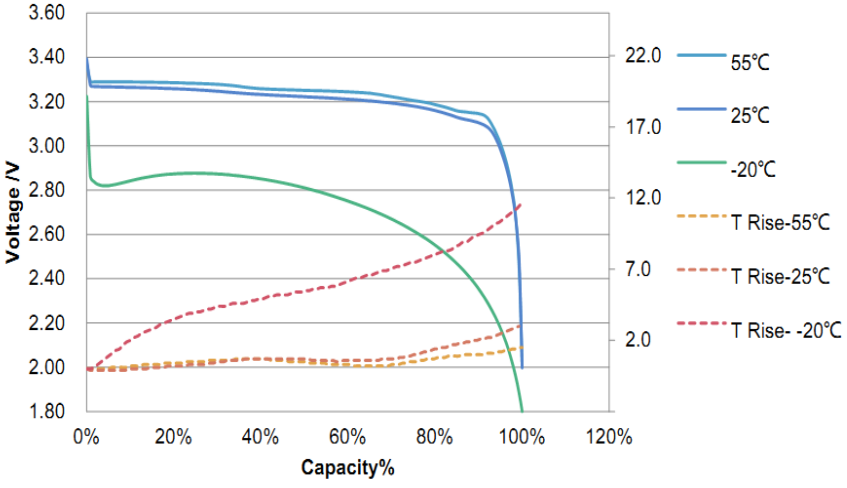
Cell discharge characteristic curve



Cell charging characteristic curve



Discharge curves at different temperatures



V2.4

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