

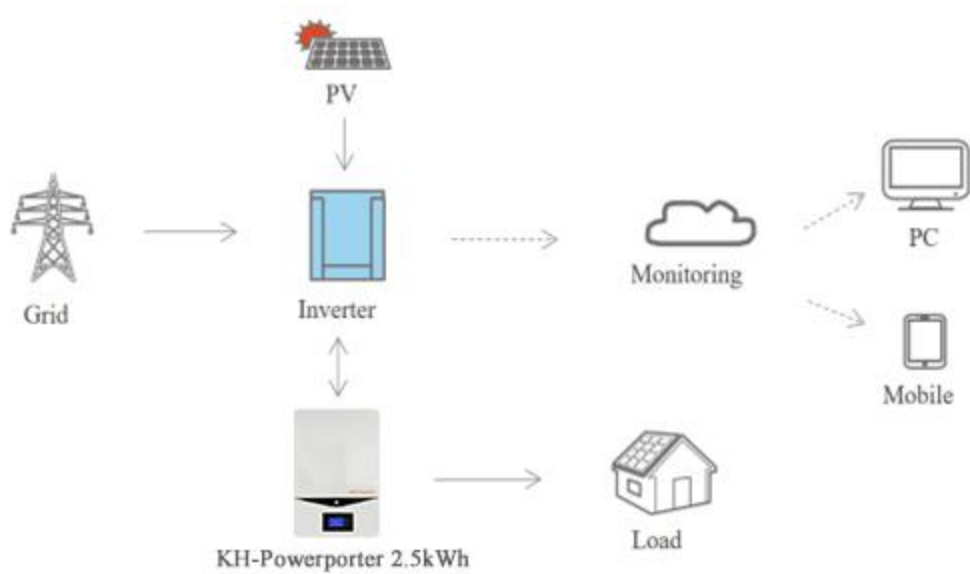
KH-HESS Smart 2.5

POWER YOUR HOME WITH GREEN ENERGY



KH-ES2.5KPW is a 48V low voltage battery module that enables energy storage to maximise self-consumption from your solar system to reduce electricity bills and provide energy independence. Suitable for residential or commercial solutions keeping you powered night and day.

Number of expandable battery units : up to 14units(2.5KWH*14units=35KWH maximum)



FEATURES

- 24-hour clean energy supplying
- 10 years designed lifespan
- Flexible design, easy to scale up
- Easy to wall mount
- Compact size and space saving



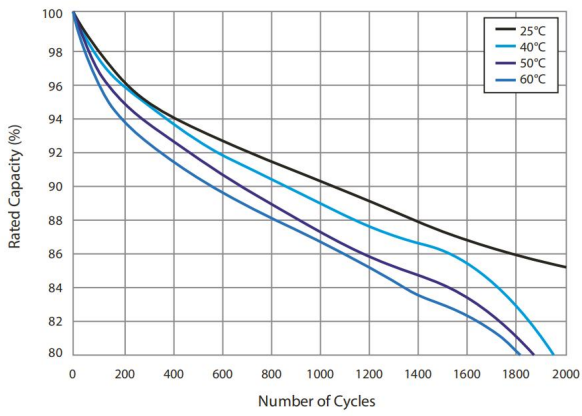
HESS Smart 2.5

- Compact size
- High efficiency
- Easy installation
- High energy density

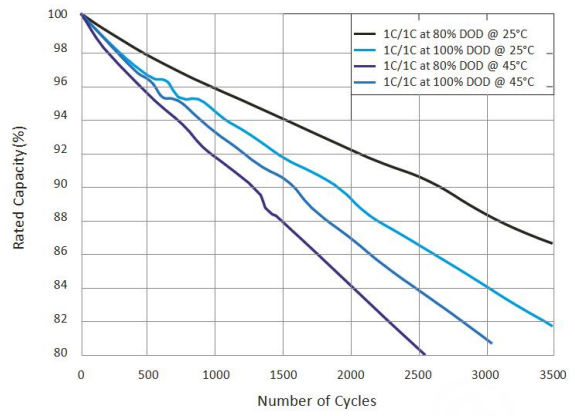
Datasheet		Powerporter 2.5
Battery Data		
Nominal Voltage		51.2V
Nominal Energy		2.5kWh
Discharge Voltage		45~58V
Charge Voltage		~54V
Cont. Charge Current		25A
Max. Charge Current		40A
Cont. Discharge Current		25A
Max. Discharge Current		50A
Cont. Discharge DC Power		2000W
Operating temperature		0°C ~ 45°C (Charge) -20°C ~ 50°C (Discharge)
General Data		
DOD		90%
Communication		CAN2.0 / RS485
Cycle Life		> 2000
IP Grade		IP31
Installation		Wall or Floor mount
Dimension		485×350×165mm
Weight		29.5kg
Warranty		10 Years

* When the temperature is below 0 °C or above 45°C, the performance will be limited.

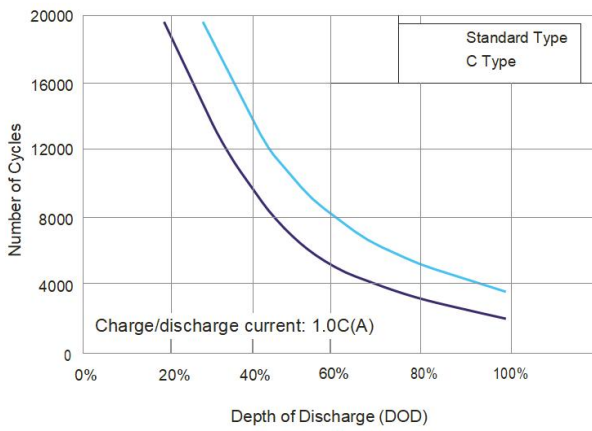
CHARACTERISTIC CURVE



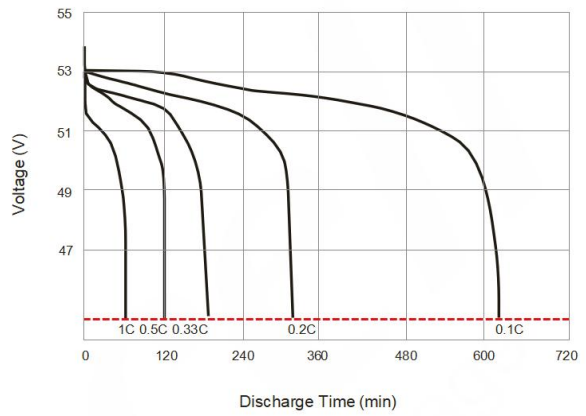
100% DOD Cycle Curves at Different Temperatures



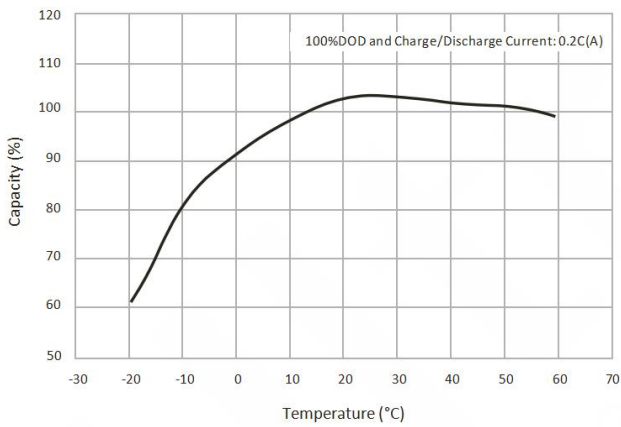
1C Cycle Curves at Different DOD&Temperatures



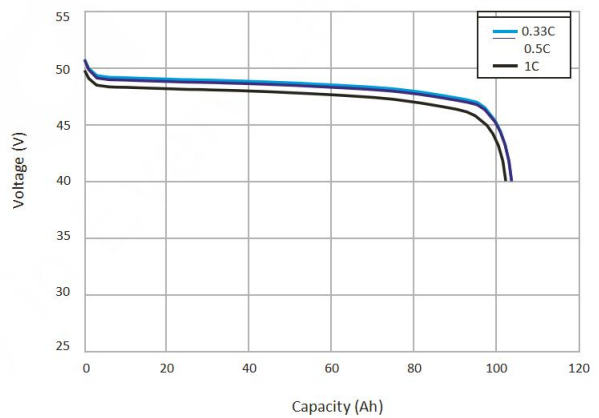
DOD in Relation to Cycle Life (25°C)



Discharge Time in Relation to Discharge Rate (25°C)



Temperature Effect in Relation to Battery Capacity



Discharge Capacity in Relation to Discharge Rate

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