

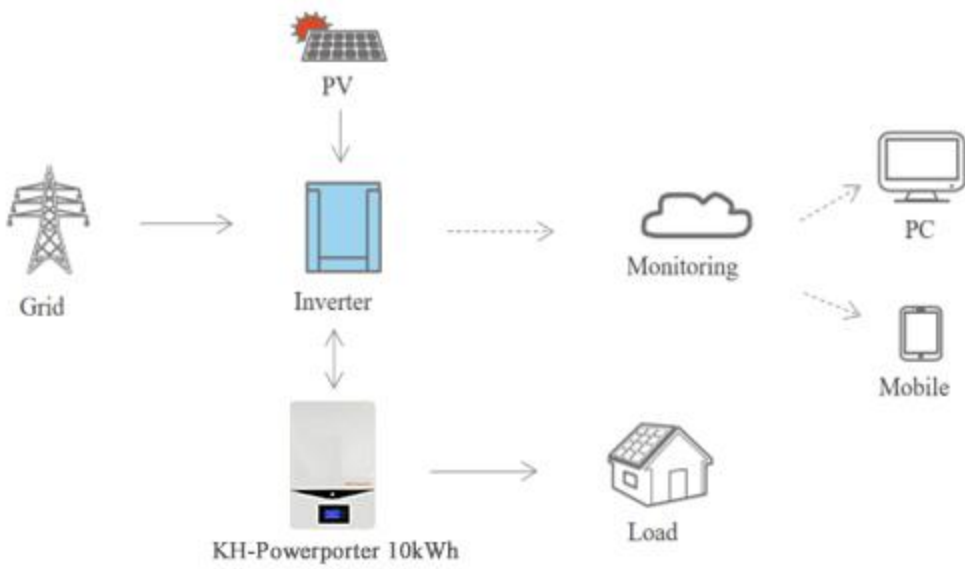
KH-HESS Smart 10.0

POWER YOUR HOME WITH GREEN ENERGY



KH-ES10KPW 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(10KWH*14units=140KWH 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



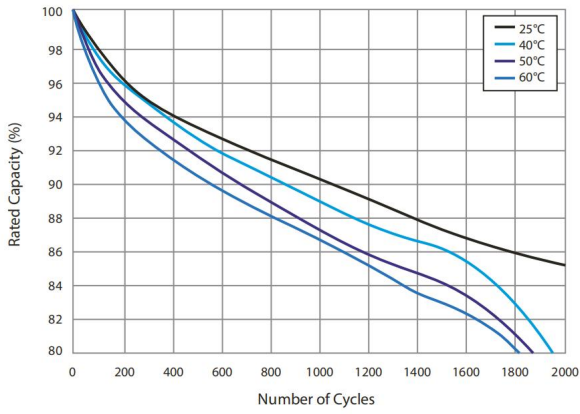
HESS-Smart 10.0

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

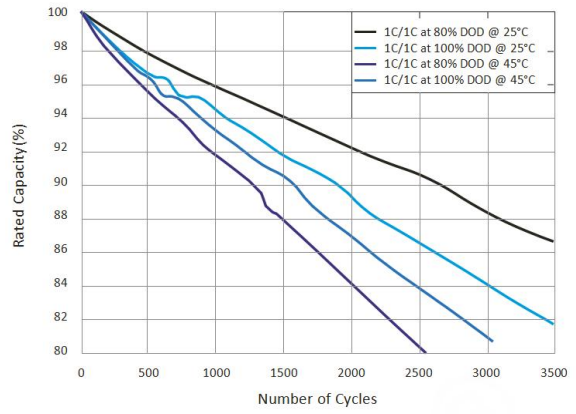
Datasheet		HESS-Smart 10.0
Battery Data		
Nominal Voltage		51.2V
Nominal Energy		10.2kWh
Voltage window		44.0~58.0V
Rated. Charge Current		50A
Max. Continuous Charge Current		90A
Rated. Discharge Current		50A
Max. Continuous Discharge Current		100A
Max. Discharge DC Power		5000W
Operating temperature		0°C ~ 50°C (Charge) -20°C ~ 50°C (Discharge)
General Data		
DOD		90%
Communication		CAN2.0 / RS485
Cycle Life		> 2000
IP Grade		IP30
Installation		Wall or Floor mount
Dimension		750×490×200mm
Weight		91.5kg
Warranty		10 Years

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

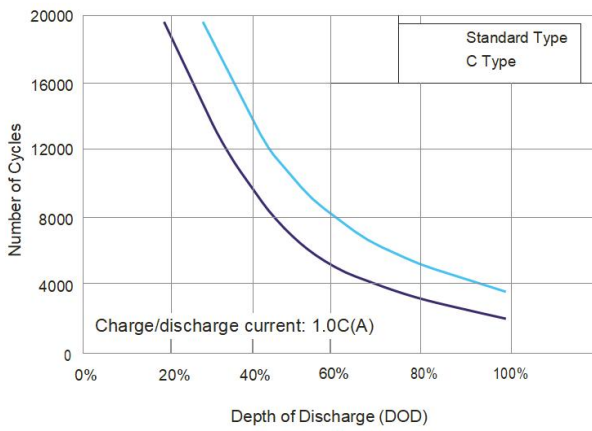
CHARACTERISTIC CURVE



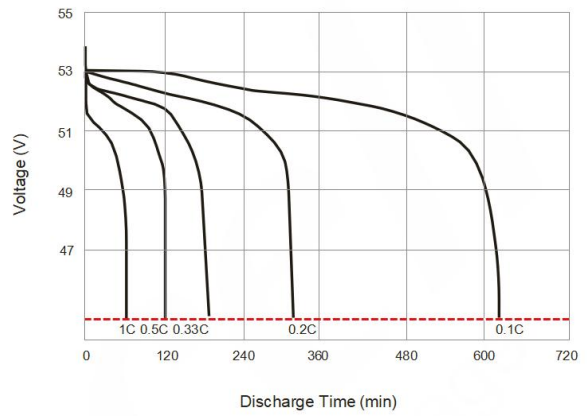
100% DOD Cycle Curves at Different Temperatures



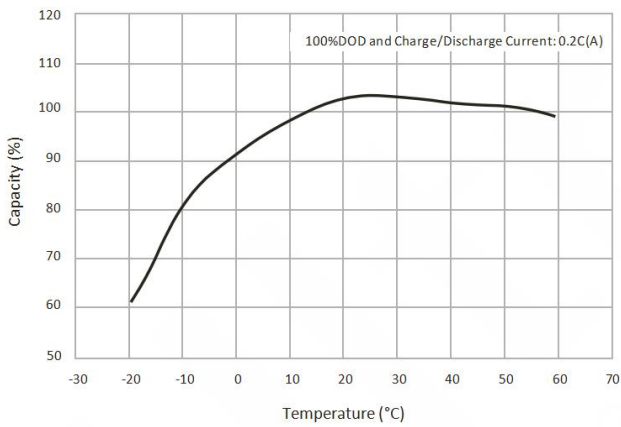
1C Cycle Curves at Different DOD & Temperatures



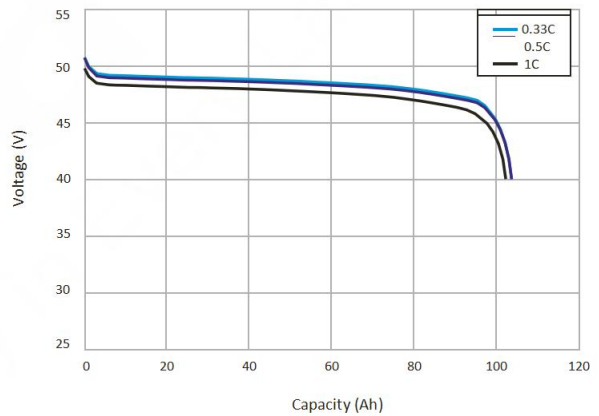
DOD in Relation to Cycle Life (25°C)



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



Temperature Effect in Relation to Battery Capacity



Discharge Capacity in Relation to Discharge Rate

Keheng New Energy Technology (shenzhen) Co.,Ltd

Floor 8, D8 Bldg, Lang kou Industrial Park, Long hua District, Shenzhen, china

Tel: +86 0755-21044322

Fax: +86 0755-21044322

Website: www.keheng-battery.com

Email: info@keheng-battery.com

