

SUN  SYNK<sup>®</sup>

# SUNSYNK-W5.3



## DATASHEET

[www.sunsynk.com](http://www.sunsynk.com)  
[sales@sunsynk.com](mailto:sales@sunsynk.com)  
[customerservices@sunsynk.com](mailto:customerservices@sunsynk.com)

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Model		SUNSYNK-W5.3
Main Parameter		
Battery Chemistry		LiFePO <sub>4</sub>
Capacity (Ah)		104
Scalability		Max.32 pcs in parallel (170kWh)
Nominal Voltage (V)		51.2
Operating Voltage (V)		43.2~57.6
Energy (kWh)		5.32
Usable Energy (kWh) <sup>1</sup>		4.79
Charge/Discharge Current (A)	Recommend <sup>2</sup>	50
	Max. <sup>2</sup>	100
	Peak (2mins,25°C)	150
Other Parameter		
Recommend Depth of Discharge		90%
Dimension (W x H x Dmm)		440 x 620 x 135 (doesn't include circuit breaker, terminals and hanging board)
Weight (kg)		46
Master LED Indicator		5 LED (SOC 20%~100%)
		2 LED (working, protecting)
IP Rating of Enclosure		IP65
Working Temperature		Charge: -10°C ~ +55°C Discharge: -20°C ~ +55°C
Storage Temperature		0°C ~ +35°C
Humidity		5% ~ 95%
Altitude		≤2000m
Cycle Life		≥6000 (25±2°C,90%DOD,0.5C/1C,70%EOL)
Installation		Wall-Mounted (supports 19-inch standard cabinet)
Communication Port		CAN2.0, RS485
Life Cycle Power During Warranty Period <sup>3</sup>		16MWh@70%EOL
Certification		IEC62619, CE, UK, CEC, UN38.3

<sup>1</sup> DC Usable Energy, test conditions: 90% DOD, 0.5C charge & discharge at 25° C. System usable energy may vary due to system configuration parameters.

<sup>2</sup> The current is affected by temperature and SOC.

<sup>3</sup> The warranty is due whichever reached first of warranty period or energy throughout.





## CONTACT US

- Call us:** +44 151 832 4300 **Email us:** [sales@sunsynk.com](mailto:sales@sunsynk.com)
- HK Address:** Room 702-704, 7/F Texwood Plaza, 6 How Ming Street, Kwun Tong, Kowloon, Hong Kong.
- UK Address:** Sunsynk UK Ltd, 17 Turnstone Business Park, Mulberry Avenue, Widnes, Cheshire, WA8 0WN.
- SA Address:** Globaltech Sunsynk South Africa (Pty) Ltd, Unit 2 Highview Boulevard, Ferndale 2194.
- NL Address:** Sunsynk NL BV, Henri Wijnmalenweg 8, 5657 EP Eindhoven, Netherlands.

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All Enquiries: tel: +44 (0)1744 762 929 | email: [sales@etechcomponents.com](mailto:sales@etechcomponents.com) | web: [www.etechcomponents.com](http://www.etechcomponents.com)