

# EB80S/EB80T

**SUNGROW**  
Clean power for all



Industry's first mini  
backup power solution



5-in-1



Smaller Size



Easy Installation



Simpler Wiring



Zero Wall Damage



Worry-free Power

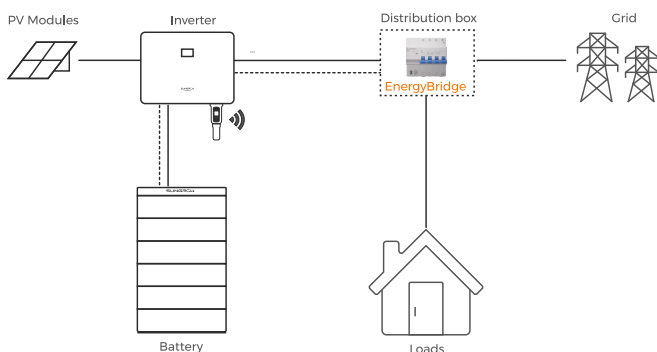
Type designation	EB80S	EB80T
<b>Specifications</b>		
Rated current		80 A
Rated voltage( AC )	230 / 240 V	400 / 415 V
Frequency		50 / 60 Hz
Power grid type	L-N	L1 / L2 / L3 - N
Circuit Breaker Poles	4P	6P
Backup switch time		≤ 10 ms
Trip curve type		C
Voltage operating range		0.75 - 1.3 Un
Max.measured current		80 A
Short circuit current		6 kA
Insulation voltage		500 V
Impulse withstand voltage		4 kV
Communication interface		RS485 *1, DI *1, DO *1
Interface form		RJ45
Communication distance		≤ 100 m
<b>General Data</b>		
Dimensions ( W * H * D <sup>1)</sup> )	72 mm * 105 mm * 79 mm	108 mm * 105 mm * 79 mm
Weight	480 g	780 g
Reference Set Temperature		30 °C
Operating temperature <sup>2)</sup>		-25 °C - 60 °C
Humidity( non-condensing )		≤ 95%
Altitude		2000 m
Degree of protection		IP20
Certificates		CE, RCM, IEC60898-1, IEC61326-1, IEC61000-6-2/3
Accuracy class		I
EMC		Class B
Circuit breaker function		Yes
On / Off-Grid switching function		Yes
Energy metering		Yes
Whole home backup function		Yes
Bypass function		Yes
Manual/Automatic reclosing		Yes
Built - in CT		Yes
External CT		Optional
Mounting method		35 mm Din-rail mounting
Compatible models		SH5.0 - 6.0RS, SH8.0 - 10.0RS, SH5.0 - 25T
Country of manufacture		China
<b>External CT(optional)</b>		
CT modle		ZTY6.176.532 for 100 A
CT type		Split Core
Max.input current		100 A
Output voltage		333 mV
Cable lengths		6 m

<sup>1)</sup> Height includes the maximum curvature of the handle

<sup>2)</sup> For operating current at different temperatures, please refer to the temperature correction factor table.

Temperature derating factor							
Temperature(°C)	-25 - 30	35	40	45	50	55	60
Rated current (A)	80	78	76	74	72	70	68

## EnergyBridge System Configurations



## EnergyBridge product size

