

# PowerCube 500

**PowerCube 500** is a pure solar power solution for small load application, especially it's suit for LED streetlamp, Video Surveillance and Wireless LAN system. Due to its characters of long backup time, sturdy and stable, it can be widely used in the off-grid or poor grid areas such as highway, oil pipeline, forest and other unattended areas.



No.	Model	Rated Load (W)	Output Voltages	Load height	Peak solar radiation	Backup time	Solar module	Battery
1	S111M1	1~25	DC12V DC48V POE(optional)	6m	>3.5h	72h	280Wp	200Ah
2	S111M2	25~40		6m	>3.5h	72h	420Wp	300Ah
3	S111M3	40~55		6m	>3.5h	72h	560Wp	400Ah
4	S111M4	55~70		6m	>4.5h	72h	560Wp	500Ah
5	S111M	1~50	DC24V DC48V POE(optional)	10m	4.8KWh	72h	380Wp	200Ah

No.	Model	Lamp power	Lamp height	Average luminance	Peak solar radiation	Backup time
6	S111T1	80W	8m	>10lux	> 4h/day	3 day
7	S111T2	60W*2	8m	>10lux	> 5h/day	3 day
8	S111T3	80W+30W	8m, 4m	>10lux	> 5h/day	3 day

\*Remarks: S111M1/S111M2/S111M3/S111M4 for Video Surveillance; S111M for WLAN; S111T1/S111T2/S111T3 for Street Lamp

# PowerCube1000-S

**PowerCube 1000-S** is applicable in off-grid areas with abundant solar energy. It adopts PV modules to convert solar power into electric power in order to save OPEX. This solution is “0” carbon emission & low maintenance required.



	S302N	S332D-D1	S303N	S304N	S563D-D3	S532N-D0	S553N-D0	S564N-D0	S564P-D0
Rated Load (W)	390	450	680	860	1200	1400	1800	2400	2500
Scenario	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor	Indoor
Reuse D.G.	/	N	/	/	N	Y	Y	Y	Y
EPM Capacity (KW)*	/	4.2	/	/	12	/	/	/	/
Solar Supply Unit Capacity (A)	50A*1	50A*1	50A*1	50A*2	50A*2	50A*1	50A*2	50A*2	50A*2
Solar Supply Unit Tracking Precision (Max)	99.8%	99.8%	99.8%	99.8%	99.8%	99.8%	99.8%	99.8%	99.8%
Solar Supply Unit Efficiency (Max)	98.5%	98.5%	98.5%	98.5%	98.5%	98.5%	98.5%	98.5%	98.5%
ESS Type*	ESS - S	ESS - D	ESS - S	ESS - S	ESS - D	ESS - D	ESS - D	ESS - D	ESS - D
ESS Capacity (KWh)*	38.4	31.2	57.6	76.8	76.8	38.4	57.6	76.8	76.8
Cooling method for ICC*	Heat Exchange	Heat Exchange	Heat Exchange	Heat Exchange	Heat Exchange	Heat Exchange	Heat Exchange	Heat Exchange	/
Cooling method for ESS*	Natural Cooling	Direct Cooling	Natural Cooling	Natural Cooling	Direct Cooling	Natural Cooling	Natural Cooling	Natural Cooling	/
Supporter Type	Scalable Supporter	Scalable Supporter	Scalable Supporter	Scalable Supporter	Scalable Supporter	Scalable Supporter	Scalable Supporter	Scalable Supporter	Scalable Supporter
Weight Excludes PV module (Kg)	<1756	<1654	<2883	<3405	<2724	<2706	<4325	<5767	<3265
Wind-resistance Level	≤50m/s	≤50m/s	≤50m/s	≤50m/s	≤50m/s	≤50m/s	≤50m/s	≤50m/s	≤50m/s

\*Remarks: ICC - Integrated Controller & Converter; ESS - Energy Storage System.