

Phaesun*

Solution Provider for
Stand Alone Power Systems ...

Mono Crystalline Solar Modules



Phaesun

Mono Crystalline Solar Modules

Phaesun solar modules generate electricity from light especially reliable. Produced according to the most stringent quality guidelines, they resist the most unfavourable environmental features and stand out for a long service life. Due to a performance guarantee of up to 25 years, Phaesun solar modules form a sound basis for a photovoltaic power supply.



USP 5

USP 10

USP 12

USP 15

USP 18

Technical Data					
Type	USP 5	USP 10	USP 12	USP 15	USP 18
Rated Power [Wp] $P_{max} \pm 10\%$	5	10	12	15	18
Configuration [V]	12	12	12	12	12
Rated Current [A] I_{mpp}	0,3	0,59	0,71	0,89	1,07
Rated Voltage [V] V_{mpp}	16,9	16,9	16,9	16,9	16,9
Short Circuit Current [A] I_{sc}	0,34	0,68	0,82	1,01	1,22
Open-Circuit Voltage [V] U_{oc}	20,5	20,5	20,5	20,5	20,5
Physical Parameters					
Dimensions (LxHxW) [mm]	356x166x22	406x346x38	406x346x38	536x301x38	536x436x38
Weight [kg]	0,8	1,8	1,8	2	2,9
Packing Unit	10	10	6	5	5
Weight Modul & Box	10	20,07	13,6	15,5	17,5
Type of Terminal Box	TB1	TB1	TB5	TB5	TB 5
Cell Type					
Crystalline Type	Mono	Mono	Mono	Mono	Mono
Size [mm²] / [inches] Cutted	125 / 5	125 / 5	125 / 5	125 / 5	125 / 5
No. of Cells per Module [pcs.]	36	36	36	36	36
Recommended Application	Battery	Battery	Battery	Battery	Battery
Mounting Holes					
Hole Distance [mm] A	150	200	200	280	300
Hole Distance [mm] B	137	325	325	300	415
Performance Warranty [Years]	10	10	10	10	10
Article No.	101622	101623	101624	101643	101626

Power specifications are at standard test conditions of: 1000 W/m² solar irradiance, 25°C temperature and solar spectral irradiance per ASTM E892.



Technical Data					
Type	USP 20	USP 25	USP 37	USP 45	USP 50
Rated Power [Wp] $P_{max} \pm 10\%$	20	25	36	45	50
Configuration [V]	12	12	12	12	12
Rated Current [A] I_{mpp}	1,18	1,5	2,13	2,69	2,99
Rated Voltage [V] V_{mpp}	16,9	16,7	16,9	16,7	16,7
Short Circuit Current [A] I_{sc}	1,36	1,7	2,45	3,1	3,4
Open-Circuit Voltage [V] U_{oc}	20,5	20,5	20,5	20,5	20,5
Physical Parameters					
Dimensions (LxHxW) [mm]	536x436x38	536x436x38	636x539x38	1014x406x35	1014x406x35
Weight [kg]	2,9	3,2	4,1	4,8	5,4
Packing Unit	5	5	5	2	2
Weight Modul & Box	17,5	19	22,5	28	31
Type of Terminal Box	TB 5	TB 5	TB 5	TB 3	TB 3
Cell Type					
Crystalline Type	Mono	Mono	Mono	Mono	Mono
Size [mm ²] / [inches] Cutted	125 / 5	125 / 5	125 / 5	125 / 5	125 / 5
No. of Cells per Module [pcs.]	36	36	36	36	36
Recommended Application	Battery	Battery	Battery	Battery	Battery
Mounting Holes					
Hole Distance [mm] A	300	300	318	508	435
Hole Distance [mm] B	415	455	518	385	515
Performance Warranty [Years]	10	10	10	10	20
Article No.	101627	101628	101629	101630	101631

Terminal Boxes



Phaeston



USP 70



USP 75



USP 100



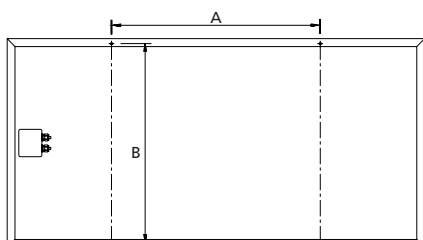
USP 110



USP 150

Technical Data					
Type	USP 70	USP 75	USP 100	USP 110	USP 150
Rated Power [Wp] $P_{max} \pm 5\%$	70	75	100	110	150
Configuration [V]	12	12	24	12	24
Rated Current [A] I_{mpp}	4,09	4,39	2,92	6,43	4,24
Rated Voltage [V] V_{mpp}	17,1	17,1	34,2	17,1	34,2
Short Circuit Current [A] I_{sc}	4,65	5,02	3,4	7,33	4,85
Open-Circuit Voltage [V] U_{oc}	21	21	41	21	42
Physical Parameters					
Dimensions (l x h x w) [mm]	1205x535x35	1205x535x35	1095x795x35	1416x646x35	1600x800x35
Weight [kg]	7,5	7,5	10	12,5	13,6
Packing Unit	5	5	2	5	2
Weight Modul & Box	43,3	43,3	25	49	31,9
Type of Terminal Box	TB 3	TB 3	TB 3	TB 3	TB 6
Cell Type					
Crystalline Type	Mono	Mono	Mono	Mono	Mono
Size [mm ²] / [inches]	125 / 5	125 / 5	125 / 5	150 / 6	125 / 5
No. of Cells per Module [pcs.]	36	72	72	36	72
Recommended Application	Battery	Battery	Battery/Grid	Battery/Grid	Battery/Grid
Mounting Holes					
Hole Distance [mm] A	603	603	548	708	800
Hole Distance [mm] B	497	497	757	606	762
Performance Warranty [Years]	20	20	25	25	25
Article No.	101633	101652	101635	101699	104021

Mounting Holes



Phaesun*

... steps ahead!

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