

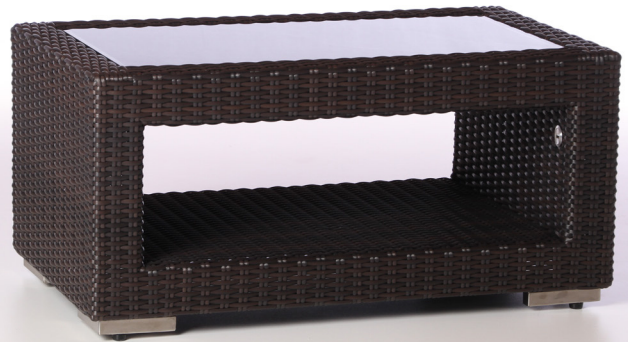
Tranquilo Sun Rise
O-Shape S

Lounge and side table beside pool loungers and seating groups

Pool | Beach Club | Lounge Area

- > compatible with other lounge tables
- > open to provide a shelf for handbags, clothes, towels etc.
- > our smallest

Dimensions: 33 x 70 x 40cm
Material: Synthetic Rattan
Color: DarkBrown Peel
Properties: Photovoltaic Glass 600x300mm
Solar Glass Power: 10 Wp
2 USB Outlets (expandable)
Bluetooth SmartConnect App
Also available with CUCER LED light package
for a stylish ambient lighting



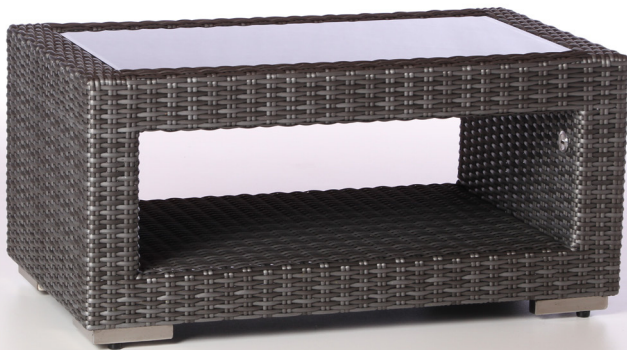
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We are happy to assist you in case of any questions are left unanswered or further information is required for your unique application.

Cucer GmbH

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CUCER PV GLASS powered by Onyx Solar Energy	Thinfilm (a- Si) Size S 600 x 300 mm	Thinfilm (a- Si) Size M 600 x 600 mm	Thinfilm (a- Si) Size L 1200 x 300 mm
Mechanical Data			
Length	600 mm	600 mm	1200 mm
Width	300 mm	600 mm	300 mm
Weight	5 kg	10 kg	11 kg
Electrical Data under Standard Test Conditions (STC)			
Nominal Peak Power P_{mpp}	10 W_p	21 $W_p/Stck.$	12 $W_p/Stck.$
Open Circuit Voltage V_{oc}	23 v	47 v	23 v
Short Circuit Current I_{sc}	0,72 A	0,72 A	1,45 A
Voltage at nominal power V_{mpp}	16 v	32 v	16 v
Current at nominal power I_{mpp}	0,65 A	0,65 A	1,45 A
STC: 1000 W/m ² , AM 1.5 at a cell-temperature of 25°C, stabilised module state			
Junction Box			
Protection	IP65	IP65	IP65
Wiring Section	2,5 / 4 mm ²	2,5 / 4 mm ²	2,5 / 4 mm ²
Limits			
Maximum System Voltage	1000 v	1000 v	1000 v
Operating Module Temperature	-45...+85 °C	-45...+85 °C	-45...+85 °C
Temperature-Coefficients			
Temperature Coefficient of P_{mpp}	-0,19 %/°C	-0,19 %/°C	-0,19 %/°C
Temperature Coefficient of V_{oc}	-0,28 %/°C	-0,28 %/°C	-0,28 %/°C
Temperature Coefficient of I_{sc}	+0,09 %/°C	+0,09 %/°C	+0,09 %/°C

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CUCER BATTERIES	LiFePo Size S 3,3 Ah	LiFePo Size M 5,5 Ah	LiFePo Size L 11 Ah
Mechanical Data			
Dimension	82x64x95 mm	99x82x95 mm	142x85x147 mm
Weight	0,7 kg	1 kg	2,6 kg
Electrical Data			
Nominal Capacity	42,2 Wh 3,3 Ah	70,4 Wh 5,5 Ah	140,8 Wh 11 Ah
Open Circuit Voltage V_{occ}	13,7 V	13,7	13,7
Nominal Voltage V_{mpp}	12,8 V	12,8 V	12,8 V
Nominal Current I_{mpp}	150 A	150 A	150 A
Max Current I_{peak}	200 A@500ms	400 A@500ms	600 A@500ms
Max Current $I_{average}$	100 A@2000ms	200 A@2000ms	300 A@2000ms
Over Discharge Voltage	9,2 V@10s	9,2 V@10s	9,2 V@10s
Recovery Voltage	12 V	12 V	12 V
Housing			
Protection Class	IP65	IP65	IP65
Limits			
Operating Temperature Range	-30...+85 °C	-30...+85 °C	-30...+85 °C
Storage Temperature Range	-40...+100 °C	-40...+100 °C	-40...+100 °C

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CUCER SMART SOLAR Charging & Supply Station	Standard	XL
Mechanical Data		
Dimensions	160x120x42 mm	160x120x42 mm
Weight	0,7 kg	0,7 kg
Electrical Data USB Outlets		
Number of USB Outlets	2	4
Nominal Voltage	5,2 V	5,2 V
Nominal Current Strom per Outlet	2000 mA	2000 mA
Electrical Data 12VDC Power-Supply		
Outlets for LED Lighting	1	1
Nominal Voltage	12 V	12 V
Nominal Current	2000 mA	2000 mA
Optional 12VDC Power Supply (i.E. for Notebook-Power Supply)		
Nominal Voltage	n.v.	12 V
Nominal Current	n.v.	10 A
only when used with a certified power supply by the manufacturer of Notebook (i.E. 12V Car Charging Socket)		
Electrical Data Charge Controller		
Nominal Batterie Voltage	12 V	12 V
Rated Charge Current	10 A	10 A
Peak Efficiency	98 %	98 %
Charge Voltage ,absorption`	14,4 V (adjustable)	14,4 V (adjustable)
Charge Voltage ,float`	13,8 V (adjustable)	13,8 V (adjustable)
Charge Algorithm	multi-stage adaptive	multi-stage adaptive
Low voltage load disconnect	11,1 V (adjustable)	11,1 V (adjustable)
Low voltage load reconnect	13,1 V	13,1 V
Housing		
Protection	IP54	IP54
Limits		
Operating Temperature Range	-30...+60 °C	-30...+60 °C
Humidity	95 %	95 %

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