



OJSC "RPE "KVANT"

Autonomous solar charging units of C3Y series

Solar charging units of C3Y series belong to the renewable primary power supply sources group. The principle of operation is based on direct solar-electric energy converting. Thanks to the solar batteries manufactured using unique three-stage anamorphous silicone technology that makes them resistant to mechanical impacts (stroke, bend, vibration) and climatic conditions (rain, snow, dust) the units can be used in almost any extreme environment.

Solar charging units of C3Y2 series are designed for:

- charging of any batteries with 12V rated operating voltage;
- charging of any satellite phones, radio stations, and technical control devices with rechargeable batteries 12V rated operating voltage;
- powering of various devices (battery lanterns, video cameras, notebooks, electronic control devices, etc) with rechargeable batteries.

Solar charging units of C3Y1 series are designed for:

- charging of any batteries with 6V rated operating voltage;
- powering of various devices using rechargeable batteries with 6V rated operating voltage.

On the customer's request can be developed and manufactured the solar charging devices with other electric parameters ($U_{ch.}$, $I_{ch.}$, P_{sb}) and configuration.



Specifications

Technical characteristics	Uch.(V)	Ich.(A)	Psb.(W)	Weight, max (kg)	Working state dimensions (mm)	Folders state dimensions (mm)
For rechargeable batteries U rat.=6B						
C3Y1-BCA-4	7,2±0,1	0,45	4	0,5	820x230x3	340x155x50
C3Y1-BCA-8	7,2±0,1	0,9	8	0,8	820x400x3	490x155x50
C3Y1-BCA-16	7,2±0,1	1,8	16	1,5	1260x400x3	490x200x50
For rechargeable batteries U rat.=12B						
C3Y2-BCA-8	14,2±0,2	0,5	8	0,9	1640x230x3	340x155x50
C3Y2-BCA-16	14,2±0,2	1	16	1,3	1640x400x3	490x155x50
C3Y2-BCA-21A	14,2±0,2	1,3	21	1,8	1640x400x3	490x155x50
C3Y2-BCA-30	14,2±0,2	2	30	2,5	2520x400x3	490x200x50
C3Y2-BCA-32A	14,2±0,2	2,1	32	2,6	2520x400x3	490x200x50



**Manufacture and supplier:
Open Joint Stock Company
“Research-Production Enterprise “Kvant”**

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