

# solar.bloc

## Valve regulated lead-acid batteries for cyclic applications



Motive Power Systems

**Reserve Power Systems**

Special Power Systems

Service

### Your benefits with HOPPECKE solar.bloc

- **Maintenance-free regarding water refilling** - due to Absorbent Glass Mat-technology
- **Optimized cycle stability** - due to optimized electrode design for efficiently charge current acceptance
- **Optimum operational safety** - integrated backfire protection and central degassing system
- **Higher short-circuit safety even during the installation** - based on HOPPECKE system connectors



Similar to the illustration

### Typical applications of HOPPECKE solar.bloc

- **Solar-/Off-grid applications**  
Power supply for remote off-grid applications and isolated power networks, solar home systems, solar street lighting, healthcare facilities
- **Storage for direct consumption of photovoltaic (PV) energy**
- **Telecommunications**  
Mobile phone stations  
BTS-stations  
Off-grid/on-grid solutions
- **Traffic systems**  
Signalling systems  
Lighting



**HOPPECKE**

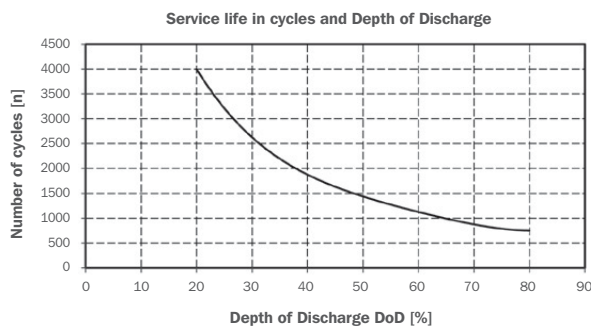
POWER FROM INNOVATION

## Type overview

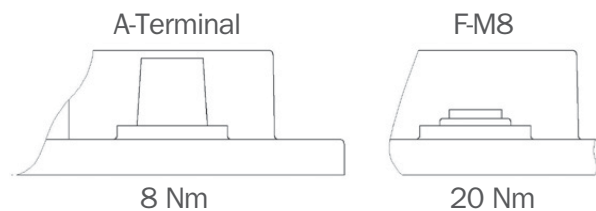
### Capacities, dimensions and weights

| Type                | C <sub>100</sub> /1.85 V<br>Ah | C <sub>48</sub> /1.80 V<br>Ah | C <sub>24</sub> /1.80 V<br>Ah | C <sub>10</sub> /1.80 V<br>Ah | Length L<br>mm | Width W<br>mm | Height H<br>mm | Weight<br>kg | Connection | Handle | Terminal layout |
|---------------------|--------------------------------|-------------------------------|-------------------------------|-------------------------------|----------------|---------------|----------------|--------------|------------|--------|-----------------|
| solar.bloc 12 V 58  | 60.0                           | 57.0                          | 55.0                          | 48.0                          | 247            | 175           | 190            | 19.00        | A-Terminal | yes    | B               |
| solar.bloc 12 V 70  | 70.0                           | 69.0                          | 67.0                          | 58.0                          | 278            | 175           | 190            | 23.00        | A-Terminal | yes    | B               |
| solar.bloc 12 V 80  | 80.0                           | 79.0                          | 74.5                          | 66.0                          | 315            | 175           | 190            | 24.00        | A-Terminal | yes    | B               |
| solar.bloc 12 V 90  | 90.0                           | 89.0                          | 84.0                          | 76.0                          | 353            | 175           | 190            | 28.00        | A-Terminal | yes    | B               |
| solar.bloc 12 V 105 | 100.0                          | 104.0                         | 98.0                          | 87.0                          | 344            | 177           | 230            | 38.00        | F-M8       | no     | A               |
| solar.bloc 12 V 135 | 130.0                          | 129.0                         | 122.0                         | 111.0                         | 344            | 170           | 275            | 46.00        | F-M8       | no     | A               |
| solar.bloc 12 V 150 | 150.0                          | 149.0                         | 146.0                         | 133.0                         | 498            | 177           | 230            | 55.00        | F-M8       | no     | A               |
| solar.bloc 6 V 200  | 190.0                          | 189.0                         | 182.0                         | 167.0                         | 242            | 170           | 275            | 32.00        | F-M8       | no     | C               |
| solar.bloc 6 V 250  | 250.0                          | 254.0                         | 242.0                         | 229.0                         | 308            | 170           | 275            | 41.00        | F-M8       | no     | C               |

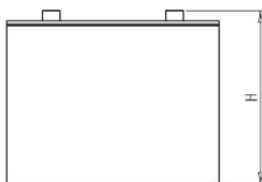
C<sub>100</sub>, C<sub>48</sub>, C<sub>24</sub> and C<sub>10</sub> = Capacity at 100 h, 48 h, 24 h and 10 h discharge



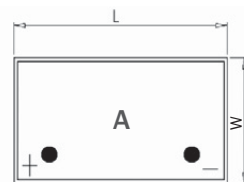
### Connection and torque



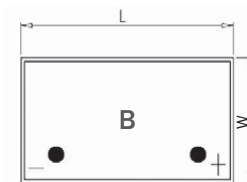
### Terminal layout



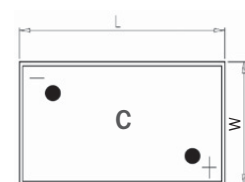
solar.bloc 12 V 58 - 6 V 250



solar.bloc 12 V 105  
solar.bloc 12 V 135  
solar.bloc 12 V 150



solar.bloc 12 V 58  
solar.bloc 12 V 70  
solar.bloc 12 V 80  
solar.bloc 12 V 90



solar.bloc 6 V 200  
solar.bloc 6 V 250

Optimal environmental compatibility - closed loop for recovery of materials in an accredited recycling system

IEC 60896-21  
IEC 61427