

— ATB GEL DC SERIES

# Gel deep-cycle for hot-climate solar duty.



Thixotropic gel electrolyte holds shape inside the cell. Tolerates ambient temperatures above 35°C without electrolyte stratification. Preferred chemistry for equatorial off-grid and inland tropical solar.

<b>50–200</b> AH AT C20	<b>12V</b> BLOCK FORMAT	<b>40°C+</b> HOT-CLIMATE AMBIENT	<b>1200+</b> CYCLES @ 50% DOD
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### Gel electrolyte

Silica-thickened sulphuric acid stays in place. No stratification. Tolerates higher operating temperatures than AGM.

### Hot climate proven

Designed for ambients above 35°C. Equatorial solar, tropical telecom shelters, inland Africa and South Asia installs.

### Deep cycle

Thick positive plates and high-density paste. Sized for daily PV cycling without rapid capacity fade.

### Multi-orientation

Sealed VRLA construction allows install in any orientation except inverted, with no maintenance.

## GEL CHEMISTRY WHERE AGM COOKS. HOT CLIMATE HAS ITS OWN BATTERY.

True gel construction. Fumed silica thickens the sulphuric acid into a stable gel — fundamentally different chemistry from AGM. The gel resists stratification at high temperatures, tolerates deeper discharge with no acid migration and recovers stronger from sulfation than AGM cycling chemistry. IEC 60896-21 and IEC 61427-1 verified.

GEL · DC SERIES

# Hot-Climate Deep-Cycle. 50 to 200 Ah.

## Gel DC Series — Hot-Climate Deep-Cycle

TROPICAL · EQUATORIAL · OFF-GRID

Thixotropic gel electrolyte for ambients above 35°C. Preferred for equatorial off-grid and inland tropical solar. 12V from 50 to 200 Ah.

 GEL ELECTROLYTE

 HOT CLIMATE

 DEEP-CYCLE

 SOLAR OFF-GRID

 SEALED VRLA

MODEL	VOLTAGE	C20 (AH)	L × W × H (MM)	WEIGHT	TERMINAL
<b>ATB Gel 12-50</b>	12V	54Ah	229 × 136 × 210	20 kg	M6
<b>ATB Gel 12-65</b>	12V	71Ah	260 × 168 × 211	24 kg	M6
<b>ATB Gel 12-80</b>	12V	87Ah	306 × 168 × 211	27 kg	M6
<b>ATB Gel 12-100</b>	12V	109Ah	332 × 175 × 215	32 kg	M8
<b>ATB Gel 12-120</b>	12V	130Ah	483 × 170 × 240	36 kg	M8
<b>ATB Gel 12-180</b>	12V	196Ah	522 × 240 × 219	58 kg	M8
<b>ATB Gel 12-200</b>	12V	217Ah	520 × 268 × 220	60 kg	M8



GEL 12-50



GEL 12-100



GEL 12-180



GEL 12-240

Representative sizes shown. Full Gel DC Series range and datasheets at [atbpower.com](http://atbpower.com).

QUALITY & STANDARDS

**Tropical proven. Solar specified.**

**FACTORY & COMPLIANCE**

**ISO 9001 · IEC 61427-1 · IEC 60896-21 · UN 38.3**

**FACTORY**

**ISO 9001** Quality system

**ISO 14001** Environment

**ISO 45001** Occupational H&S

**PRODUCT**

**IEC 61427-1** Renewable storage

**UN 38.3** Transport

**IEC 60896-21** Performance

**HOT CLIMATE**

**IEC 60068-2-30** Damp heat

**IEC 60068-2-2** High temp

**EN 50272-2** Stationary

Gel DC series ships with hot-climate operating curves, charge controller recommendations and integrator notes for equatorial PV deployments. Datasheets, certificates and tropical-zone case studies via [atbpower.com](http://atbpower.com).