



AMPJET®

GROUND POWER UNITS JUST GOT SMARTER



AMPJET REVOLUTIONIZED GROUND POWER UNITS, SETTING A NEW STANDARD IN SIMPLICITY, EASE OF USE AND RUGGEDNESS.

INSIDE HANGAR - AMPJET 90 KVA



**AMPJET DESIGNED GROUND POWER UNITS WITH
YOUR MAINTENANCE TEAM IN MIND.**

INSIDE HANGAR - AMPJET 28V DC

AMPJET 28 BUILT-IN FEATURES

- Simple “PUSH-A-BUTTON” Start / Stop
- Output Power: 28V DC, 850A
- Alternator: Marathon 284PSL (Brushless, Single Bearing)
- Engine Options: Perkins (Tier 3), Perkins, Deutz & JCB (Tier 4F)
- Protection: Over/Under Voltage, Over/Under Frequency, Overload
- Line Drop Compensation: Automatic
- Fuel Capacity: 124 L (32.75 Gal) / Operating Time Per Tank: 12 hours
- Fuel Type Tier 3: Diesel & Jet A / Tier 4F & Stage 5: Low Sulfur Diesel
- Temperature: -40°F to 125°F (-40°C to +52°C) W/ Extreme Cold Weather Kit Option
- Dimensions L x W x H: 102 x 68 x 67 in. / Weight: 3080 lb.
- Noise Level: 85 dB(A) / High Altitude Performance
- Warranty: 2 Years / 2000 Hours



AMPJET AC BUILT-IN FEATURES

- Simple “PUSH-A-BUTTON” Start / Stop
- Output Power: 60 / 90/ 120 / 140 / 180 kVA, 400 Hz AC
- Alternator Mecc Alte (Brushless, Single Bearing)
- Engine Options: Deutz / Perkins (for Tier 3 and Tier 4F)
- Voltage Regulation: 115V/200V \pm 1% / Frequency Regulation: 400 HZ \pm 0.5%
- Protection: Over/Under Voltage, Over/Under Frequency, Overload
- Line Drop Compensation: Automatic
- Fuel Capacity: Minimum 8 hours Full Load
- Fuel Type: Tier 3 Diesel & Jet A / Tier 4F & Stage 5 Low Sulfur Diesel
- Temperature: -40°F to 125°F (-40°C to +52°C) W/ Extreme Cold Weather Kit Option
- Dimensions Tier 3 (L x W x H): 136 x 75 x 70 in. & Tier 4F / Stage 5: 136 x 75 x 76 in. (180 KVA is 8” Longer)
- Noise Level: 85 dB(A)
- High Altitude Performance
- Warranty: 2 Years / 2000 Hours



AMPJET 28 V DC OPTIONS AVAILABLE



- Digital Gateway / Telematics (GPS/GSM) (Cell/Network link) (Monitor GPU Track on GPS, Receive Messages / Notifications on Mobile or Email)
- Premium Engine Warning Kit
- Auxiliary Output 115 VAC, 60 Hz
- Galvanized Enclosure
- Stainless Steel Fuel Tank
- Corner Bumpers
- Cable Tray Bumpers
- Cable Tray Rollers
- Foam-Filled Tires
- Low Coolant Shutdown SDS
- Cable-Connected Warning System (Strobe Light)
- Battery Switch (Required with Cable Connected Warning System)
- Fire Extinguisher
- Quick Break Away Output Cable
- Towbar Warning System
- Towbar Lock System
- Torsion (Flexible) Rear Axle
- Aux. Battery with Battery Separator
- Cold Weather Kit (CWK): Tier 3, Tier 4F / Stage 5
- Extreme CWK: Tier 3, Tier 4F / Stage 5
- Custom Engine CWK Kits Available (on request)

AMPJET AC OPTIONS AVAILABLE



- Dual AC Output (2nd AC Output) (except 60 KVA)
- 28 VDC TR (Transformer Rectifier)
- 28 VDC TRU Simultaneous (AC/DC Output)
- 56 VDC TR (Transformer Rectifier)
- Digital Gateway / Telematics (GPS/GSM) (Cell/Network link) (Monitor GPU Track on GPS, Receive Messages / Notifications on Mobile or Email)
- Premium Engine Warning Kit
- Auxiliary Output 115 VAC, 60 Hz
- Galvanized Enclosure
- Stainless Steel Fuel Tank
- Corner Bumpers
- Cable Tray Bumpers
- Cable Tray Rollers
- Foam-Filled Tires
- Low Coolant Shutdown SDS
- Cable-Connected Warning System (Strobe)
- Battery Switch (Required with Cable Connected Warning System)
- Fire Extinguisher
- Towbar Warning System
- Towbar Lock System
- Torsion (Flexible) Rear Axle (90 / 120 / 140 KVA)
- Torsion (Flexible) Rear Axle for 180 KVA is a Feature
- Aux. Battery with Battery Separator
- Cold Weather Kit (CWK): Tier 3, Tier 4F / Stage 5
- Extreme CWK: Tier 3, Tier 4F / Stage 5
- Custom Engine CWK Kits Available (on request)



PUSH-A-BUTTON!
AN INTUITIVE INTERFACE THAT
MAKES OPERATION SIMPLE



BECAUSE SOMETIMES YOU NEED TO KNOW

5" Color Display Shows 7 Key Engine & Generator Functions in Real Time

Instantly Check GPU Performance at a Glance

Menu Buttons Provide Detailed Data Access

Auto-Timed Warm-Up & Cool-Down Cycles

Optional Auto Sleep Shuts Off Power After Cool-Down



AMPJET 400HZ AC CONTROLS

5" Color Display – 7 Critical Metrics at a Glance

Main System Power Switch

Primary Output Controls

Warning Beacon and Marker Lights Switch

AC/DC Selector Switch

Simple Push a Button Start/Stop

DEF Status Indicator

Second Output Controls (Optional)

Additional Information Menus

F+F Bypass Switch (Covered)



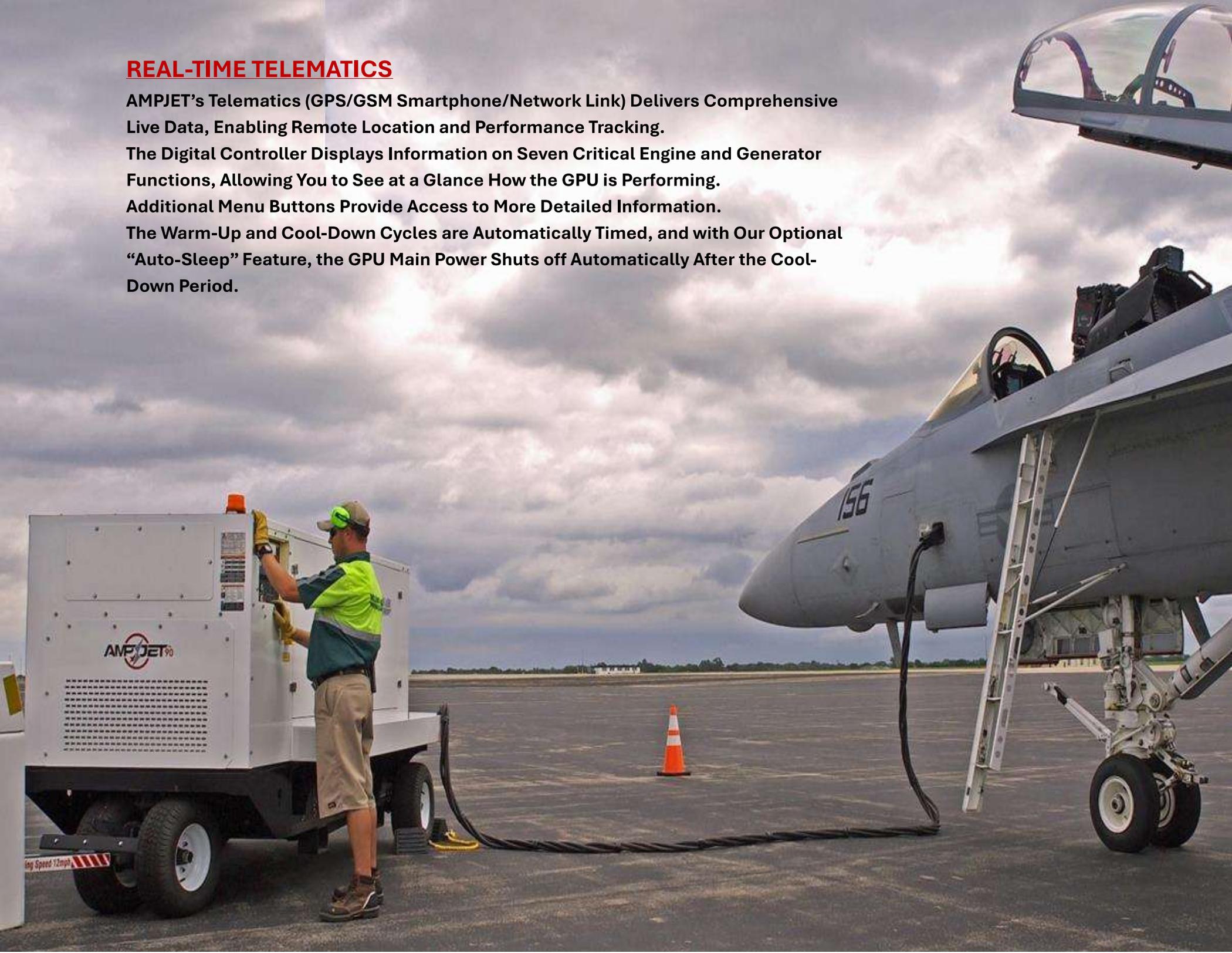
REAL-TIME TELEMATICS

AMPJET's Telematics (GPS/GSM Smartphone/Network Link) Delivers Comprehensive Live Data, Enabling Remote Location and Performance Tracking.

The Digital Controller Displays Information on Seven Critical Engine and Generator Functions, Allowing You to See at a Glance How the GPU is Performing.

Additional Menu Buttons Provide Access to More Detailed Information.

The Warm-Up and Cool-Down Cycles are Automatically Timed, and with Our Optional "Auto-Sleep" Feature, the GPU Main Power Shuts off Automatically After the Cool-Down Period.



AMPJET GPU - TRUCK MOUNTED

Trucks Options: Isuzu, Hino and Iveco



AMPJET e-GPU (BATTERY-POWERED GROUND POWER UNIT)

GPU OUTPUT

- Automatic Voltage Compensation: Load Dependent or via Remote Feedback
- Plug & Play: Just Connect to the Aircraft, no Adjustments or Extra Accessories Needed
- 4-Quadrant Operation: Faster System Response & Safer NBPT Operation
- Vector Control Inverter: Higher Efficiency and Smoother Performance

EFFICIENCY

- Up to 97% Efficiency: 90kVA @ PF 0.8–1.0
- Green Standby Mode: Only 20 W losses
- Ultra-Low No-Load Losses: Less than 1%

INVERTER

- Static Regulation: 0–100% load $\pm 1\%$
- Dynamic Regulation: 100% to 10%, Recovery within 20ms
- Low Harmonic Distortion: $< 2\%$ (Linear Load)
- Electronic Overload Protection: 120% @ 600s; 150% @ 60s; 200% @ 5s
- Overload Capacity (IGBTs): 150% Continuous
- Frequency Stability: $\pm 0.01\%$ Crystal Controlled
- Load Power Factor: 0–1
- High Efficiency: 97%



CELL CONFIGURATION

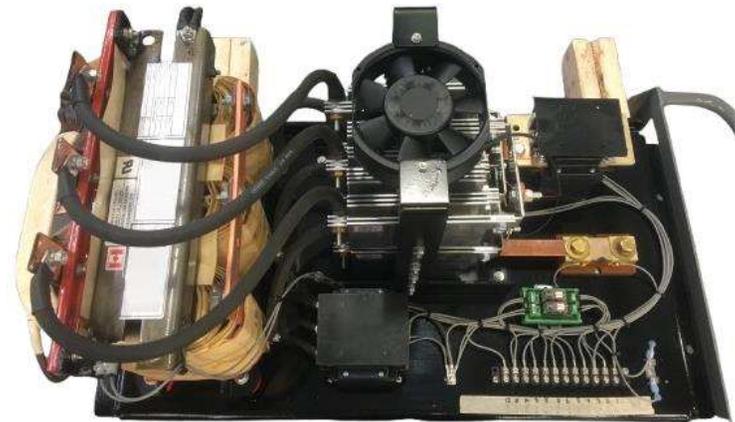
- Cell Configuration: LiFePo4 Technology
- Capacity Range: 130–499 kWh

AMPJET TR KITS

- 200 V AC, 400 HZ and 28.5V DC -850 AMP Continuous, (Adjustable Current Limiting 300-2000 AMP).
- The TR Designed for Seamless Integration with 400 Hz AC Generators.
- Delivered as a Complete, Ready-To-Install Kit, It Provides a Reliable and Efficient Solution for Your Power System Requirements.

OPTIONS AVAILABLE FOR AC UNITS:

- 28V DC TR (Transformer Rectifier)
- 56V DC TR (Transformer Rectifier)
- 28V DC TRU (AC/DC Output Simultaneous)



AMPJET PRODUCTION LINE



AMPJET CUSTOMER SUPPORT

- ✓ Professional Training on New Equipment and Test-Running Services
- ✓ Availability of Spare Parts for Over 10 Years
- ✓ 24-Hour Technical Support

OUR CUSTOMERS





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ISSUED DATE: 12/2025
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AMPJET GPU
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Max. Towing Speed: 12mph

AMPJET™ 28

AMPJET™ 28

DIESEL FUEL

BATTERY
Access Panel

AMPJET™ 28