

# TI Introduces 20-A Isolated Plug-In Power Module with Auto-Track

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***DC/DC Converter Delivers High Efficiency Input-Output Isolation for 24-V, -48-V Telecom, Computing Distributed Power Systems***

[Texas Instruments](#) announced today a 20-A, wide-input (18 V to 60 V), isolated DC/DC plug-in power module with Auto-Track[™] sequencing technology. The highly efficient new module simultaneously powers up with any downstream, non-isolated, Auto-Track compliant point-of-load module.

TI's easy-to-use PTB78520W provides greater design flexibility to 24-V and -48-V telecom and computing distributed power systems, including complex digital systems requiring power sequencing of multiple power supply rails. Achieving power conversion efficiency up to 90 percent,

the module provides two high-current outputs that are both regulated to the same output voltage. The first output incorporates softstart and a remote on/off control. The second output is switched, which allows the user to control the output voltage with the Auto-Track function. The switched output tracks the voltage present at the Track I/O pin.

The PTB78520W's switched output design is ideal for applications requiring simultaneous power up of non-isolated point-of-load (POL) modules, such as TI's PTH series of POLATM plug-in modules. The switched design also eliminates the need for extra FETs and control circuits for sequencing a 3.3V intermediate bus.

TI's Auto-Track technology provides easy-to-use sequencing control to simplify the power-up sequencing of multiple modules. A single control pin connects to the Auto-Track pin of non-isolated POL modules to accommodate various sequencing requirements.

## **Key Features for PTB78520W:**

- 20-A Output Current
- Auto-Track Sequenced Output
- Wide Input Voltage Range (18 V to 60 V)
- Adjustable Output Voltage (1.8 V to 3.6 V)
- Efficiencies up to 90 Percent
- Remote On/Off Control
- Differential Remote Sense
- Over-Current Protection
- Output Over-Voltage Protection
- 1500-VDC I/O Isolation
- Wide Operating Temperature: -40° C to 85° C

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