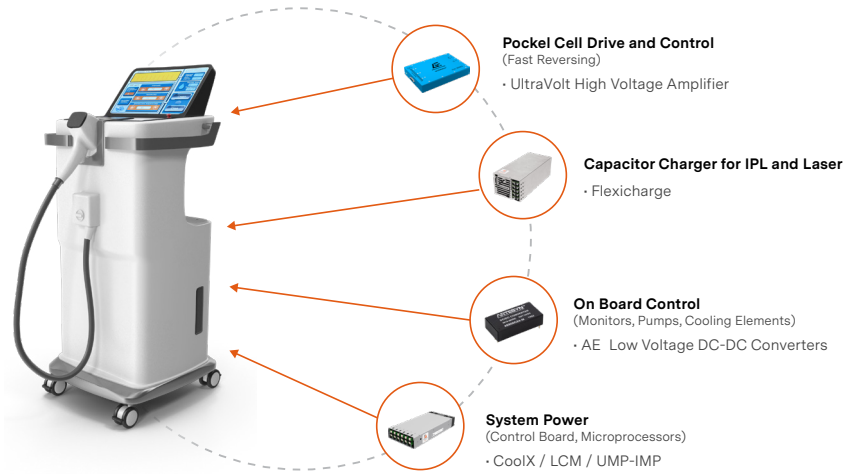


Aesthetic Lasers

Lasers are used to treat skin conditions like sun damage, acne scars, wrinkles, Melasma, tattoos, and hair removal. Designing portable laser systems poses challenges in power delivery, control, and monitoring. Additionally, systems often have multiple functions such as Intense Pulsed Light (IPL) as well as laser. These systems require power supplies to charge capacitors for the IPL and Laser, as well as provide power for all the system electronics, such as cooling element, pumps, control and monitors. Delivering the power required for all these discrete circuits, in what is often a mobile system, means the power density of the AC/DC power supplies is a critical parameter. Advanced Energy collaborates with medical laser OEMs, offering AC/DC, capacitor charging and high voltage DC/DC products to meet system power requirements, while also addressing the reliability, power density and acoustic noise needs.

What We Power

- Pockel Cell Drive and Control (Fast Reversing)
- On Board Control (Monitors, Pumps, Cooling Elements)
- Capacitor Charger for IPL and Laser
- System Power (Control Board, Microprocessors)



Featured Products

<p>AE Flexicharge</p> <ul style="list-style-type: none"> ■ 600 W and 1200 W ■ Dual safety approvals: IEC60601-1 (3rd edition) and IEC60950 ■ Up to 12 isolated DC output voltages ■ Five-year warranty ■ Field configurable 	<p>ARTESYN LCM1500</p> <ul style="list-style-type: none"> ■ 1500W output power with no derating ■ Low cost ■ 12 Watts per cubic in. ■ Medical / industrial safety approvals ■ High efficiency: 89% typical 	<p>AE CoolX1800</p> <ul style="list-style-type: none"> ■ Intelligent 1800W in a compact package ■ Industrial and medical safety approvals ■ 24 W-standby power ■ PMBus™ for digital communications ■ 12 isolated outputs 	<p>SLPE NGB800</p> <ul style="list-style-type: none"> ■ Output power of 800W with airflow ■ Universal 85-264Vac Class I and Class II input versions ■ Less than 100uA leakage current 	<p>ARTESYN uMP Gen II</p> <ul style="list-style-type: none"> ■ Max power - 1800 W ■ Input range: 85-264 VAC 120-374 VDC ■ 47 - 440 Hz frequency ■ Efficiency: up to 91.5% ■ Analog or PMBus™ ■ Meets EN60950 and EN60601 	<p>AE HVA Series</p> <ul style="list-style-type: none"> ■ Max. output voltage power: 20 kV DC/2 W ■ Single output ■ Ripple: 500 ppm ■ Analog interface ■ Temp. coefficient: to 25 ppm/°C ■ 500Hz bandwidths
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- 1 Problem Identification
- 2 Real-time tests
- 3 Detailed analyses

Our Customer Experience Centers (CECs) are your one-stop shop for all your design and testing needs. From pinpointing issues and prototype sampling to pre-compliance testing for entire systems, our CECs can help you meet deadlines and budgets.

