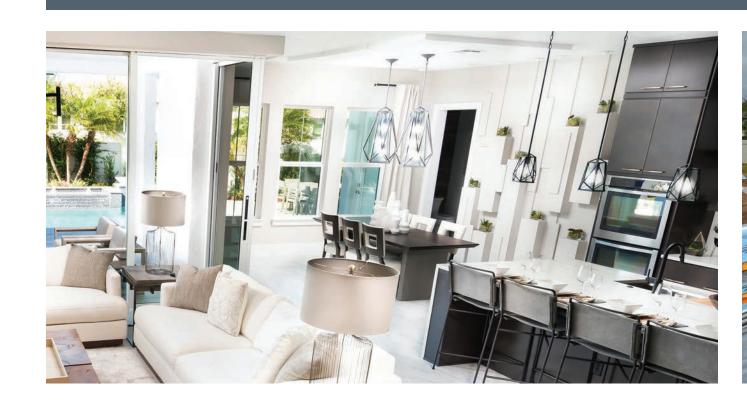


# Meritage Homes



ReNEWable Home at Parkside | Orlando, FL | MeritageHomes.com











### PROJECT DATA

- **Layout:** 6 bdrm, 5.5 bath, 2 fl, 5,778 ft<sup>2</sup>
- Climate: IECC 2A, hot-humid
- Completed: September 2017
- Category: custom spec

#### **MODELED PERFORMANCE DATA**

- HERS Index: without PV 43; with PV 16
- Annual Energy Costs: without PV \$1,750; with PV \$650
- Annual Energy Cost Savings: (vs typical new homes) without PV \$1,700; with PV \$3,300
- **Annual Energy Savings:** without PV 14,900 kWh; with PV 24,450 kWh
- Savings in the First 30 Years: \$145,900

# CONTACT

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## KEY FEATURES

- Walls: R-30 insulated concrete panels.
- Roof: Reflective concrete roofing; polypropylene underlayment.
- Attic: Unvented attic, spray foam insulation.
- Foundation: R-30 rigid foam at slab edge, R-5 EPS under slab.
- Windows: Triple-pane, low-e3, argon-filled; U=0.25, SHGC=0.16, impact-resistant.
- **Air Sealing:** 1.53 ACH 50.
- Ventilation: Supply-side ventilation with off-peak seasonal controls; meets ASHRAE 62.2.
- HVAC: Minisplit heat pump, 13 HSPF, 20.5 SEER.
- Hot Water: Heat pump water heater, 2.24 EF.
- Lighting: 100% LED.
- **Appliances:** ENERGY STAR refrigerator, dishwasher, clothes washer, and clothes dryer.
- Solar: 8.04-kW PV system.
- Water Conservation: WaterSense fixtures, greywater system.
- Energy Management System: Wi-Fi enabled thermostats, smart off-peak fresh air ventilation, energy monitoring.
- Other: Low-VOC and anti-microbial paint, VOC-catalyst drywall. Hurricane-resistant roof, walls, and window coverings; no wood in supporting structure. Passive solar design. UV reflecting cool roofing. Grid-optimized electrical design.





